



MINISTRY OF SUPPLY

AERONAUTICAL RESEARCH COUNCIL
REPORTS AND MEMORANDA

Downwash Tables for the Calculation
of Aerodynamic Forces on
Oscillating Wings

Tables prepared at the National Physical Laboratory for
the Aerodynamics Division by the Mathematics Division

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Downwash Tables for the Calculation of Aerodynamic Forces on Oscillating Wings

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June, 1952

Values of W_e are required for the method developed by W. P. Jones in R. & M. 2470¹, in which a modified form of the Falkner lattice scheme² is used to calculate the downwash for oscillatory motion. For oscillations of frequency $p/2\pi$, W_e is defined as the downwash induced at a point (x_1, y_1) by a doublet strip of strength $s_1 e^{-ipx_1/V}$ and width $2s_1$, extending downstream from $x = 0$ to $x = \infty$. Formulae for W_e are given in Appendix I, Ref. 1, for $y_1 > s_1$ and $y_1 < s_1$. It is convenient to tabulate $4\pi W_e$ in terms of the parameters

$$\bar{\omega} = ps_1/V, \quad t = x_1/s_1, \\ n = |y_1/s_1|, \text{ where only values } n = 0, 2, 4 \dots$$

corresponding to the spanwise lattice spacing are considered. The formulae used to calculate W_e are then expressed as follows:

$$n = 0$$

$$4\pi W_e = \frac{2}{t} \left[t + \sqrt{1+t^2} \right] - 2i\bar{\omega} \int_0^\infty e^{-\bar{\omega}iu} \left[1 - \frac{\sqrt{[1+(u-t)^2]}}{u-t} \right] du,$$

$$n \geq 2$$

$$4\pi W_e = \frac{1}{t} \left[g\left(\frac{\alpha}{\beta_2}\right) - g\left(\frac{\alpha}{\beta_1}\right) \right] + \bar{\omega} \left[G(\alpha, \beta_1) - G(\alpha, \beta_2) \right],$$

where $\alpha = \bar{\omega}t, \quad \beta_1 = (n-1)\bar{\omega}, \quad \beta_2 = (n+1)\bar{\omega},$

$$g(x) = x - 1 + \sqrt{x^2 + 1},$$

$$G(\alpha, \beta) = i e^{-i\alpha} \int_{-\alpha}^\infty e^{-iu} \left[\frac{1}{u} + \frac{1}{\beta} - \frac{\sqrt{(u^2 + \beta^2)}}{\beta u} \right] du.$$

The present tables cover the values of $\bar{\omega}$, t and n given below. The values of $\bar{\omega} = \omega_m A_r s_1/2s$ were chosen to cover a practical range of values of the mean frequency parameter $\omega_m = pc_m/V$, for wings of various aspect ratio A_r and mean chord c_m , when a lattice spacing $20s_1 = \text{semi-span } s$ is used.

$\bar{\omega}$	t	n
0.01, 0.02, 0.03	-100 to +100	0(2)40
0.04, 0.06, 0.08	-100 to +100	0(2)40
0.09	-100 to +100	0(2)40
0.12	-80 to +80	0(2)40
0.16, 0.18	-50 to +50	0(2)40
0.24	-40 to +40	0(2)40

Each table is for a particular value of $\bar{\omega}$. The downwash W_e is tabulated for values $n = 0(2)40$ at intervals of t suitable for linear interpolation, but when $n = 0$ and $-1 \leq t \leq 1$ it is necessary to tabulate auxiliary functions A and B with modified second differences. Definitions of W_e in terms of these auxiliary functions are given in each table as they occur.

The method of Ref. 1 has been applied in R. & M. 2841³, and it should be noted that the two-dimensional chordwise factors $L_0'(k)$, which are used in conjunction with the values of W_e , have been published in that report.

REFERENCES

- | <i>No.</i> | <i>Author</i> | <i>Title, etc.</i> |
|------------|------------------------|--|
| 1 | W. P. Jones | The calculation of aerodynamic derivative coefficients for wings of any plan form in non-uniform motion. R. & M. 2470. 1946. |
| 2 | V. M. Falkner | The calculation of aerodynamic loading on surfaces of any shape. R. & M. 1910. 1943. |
| 3 | Doris E. Lehrian | Aerodynamic coefficients for an oscillating delta wing. R. & M. 2841. 1951. |
-

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.01$$

$$n = 0$$

t	R	S	t	R	S	t	R	S	t	R	S	t	R	S
-100	-1	0	-7.00	-201	+13	-4.00	-613	+23	-2.20	-1966	+43	-1.60	-3581	+59
95	1	0	6.95	204	13	3.95	628	24	2.19	1983	43	1.59	3623	60
90	1	+1	6.90	207	13	3.90	644	24	2.18	2001	44	1.58	3666	60
85	1	1	6.85	210	13	3.85	661	24	2.17	2018	44	1.57	3709	60
80	1	1	6.80	213	13	3.80	678	25	2.16	2036	44	1.56	3753	61
-75	-1	+1	-6.75	-216	+13	-3.75	-696	+25	-2.15	-2054	+44	-1.55	-3798	+61
70	2	1	6.70	219	14	3.70	715	25	2.14	2073	44	1.54	3843	61
65	2	1	6.65	223	14	3.65	734	26	2.13	2091	45	1.53	3889	62
60	2	1	6.60	226	14	3.60	754	26	2.12	2110	45	1.52	3937	62
55	3	1	6.55	229	14	3.55	776	26	2.11	2129	45	1.51	3985	63
-50	-3	+1	-6.50	-233	+14	-3.50	-798	+27	-2.10	-2149	+45	-1.50	-4033	+63
45	4	1	6.45	237	14	3.45	820	27	2.09	2168	46	1.49	4083	63
40	5	2	6.40	240	14	3.40	844	28	2.08	2188	46	1.48	4134	64
35	7	2	6.35	244	14	3.35	869	28	2.07	2208	46	1.47	4185	64
30	10	2	6.30	248	14	3.30	895	29	2.06	2229	46	1.46	4238	65
-25.0	-15	+3	-6.25	-252	+15	-3.25	-922	+29	-2.05	-2249	+46	-1.45	-4291	+65
24.5	16	3	6.20	256	15	3.20	951	30	2.04	2270	47	1.44	4346	66
24.0	16	3	6.15	260	15	3.15	981	30	2.03	2292	47	1.43	4401	66
23.5	17	3	6.10	265	15	3.10	1012	31	2.02	2313	47	1.42	4458	66
23.0	18	3	6.05	269	15	3.05	1045	31	2.01	2335	47	1.41	4516	67
-22.5	-19	+3	-6.00	-274	+15	-3.00	-1079	+32	-2.00	-2357	+48	-1.40	-4574	+67
22.0	19	3	5.95	278	15	2.95	1115	32	1.99	2380	48	1.39	4634	68
21.5	20	4	5.90	283	16	2.90	1153	33	1.98	2403	48	1.38	4695	68
21.0	21	4	5.85	288	16	2.85	1192	33	1.97	2426	48	1.37	4758	69
20.5	23	4	5.80	293	16	2.80	1234	34	1.96	2449	49	1.36	4821	69
-20.0	-24	+4	-5.75	-298	+16	-2.75	-1278	+35	-1.95	-2473	+49	-1.35	-4886	+70
19.5	25	4	5.70	303	16	2.70	1325	35	1.94	2497	49	1.34	4952	70
19.0	26	4	5.65	308	16	2.65	1373	36	1.93	2522	49	1.33	5019	71
18.5	28	4	5.60	314	16	2.60	1425	37	1.92	2547	50	1.32	5087	71
18.0	29	4	5.55	320	17	2.55	1480	37	1.91	2572	50	1.31	5157	72
-17.5	-31	+5	-5.50	-326	+17	-2.50	-1538	+38	-1.90	-2598	+50	-1.30	-5229	+72
17.0	33	5	5.45	331	17	2.49	1549	38	1.89	2623	50	1.29	5302	73
16.5	35	5	5.40	338	17	2.48	1562	38	1.88	2650	51	1.28	5376	73
16.0	38	5	5.35	344	17	2.47	1574	38	1.87	2677	51	1.27	5452	74
15.5	40	5	5.30	350	17	2.46	1586	39	1.86	2704	51	1.26	5530	74
-15.0	-43	+5	-5.25	-357	+18	-2.45	-1599	+39	-1.85	-2731	+51	-1.25	-5609	+75
14.5	46	6	5.20	364	18	2.44	1611	39	1.84	2759	52	1.24	5689	76
14.0	49	6	5.15	371	18	2.43	1624	39	1.83	2788	52	1.23	5772	76
13.5	53	6	5.10	378	18	2.42	1637	39	1.82	2817	52	1.22	5856	77
13.0	57	6	5.05	386	18	2.41	1650	39	1.81	2846	53	1.21	5942	77
-12.5	-62	+7	-5.00	-394	+19	-2.40	-1664	+40	-1.80	-2876	+53	-1.20	-6030	+78
12.0	68	7	4.95	402	19	2.39	1677	40	1.79	2906	53	1.19	6120	78
11.5	74	7	4.90	410	19	2.38	1691	40	1.78	2937	53	1.18	6212	79
11.0	81	8	4.85	418	19	2.37	1704	40	1.77	2968	54	1.17	6306	80
10.5	89	8	4.80	427	19	2.36	1718	40	1.76	2999	54	1.16	6402	80
-10.0	-98	+9	-4.75	-436	+20	-2.35	-1732	+40	-1.75	-3032	+54	-1.15	-6500	+81
9.5	109	9	4.70	445	20	2.34	1747	41	1.74	3064	55	1.14	6600	82
9.0	121	10	4.65	455	20	2.33	1761	41	1.73	3097	55	1.13	6703	82
8.5	136	10	4.60	465	20	2.32	1776	41	1.72	3131	55	1.12	6808	83
8.0	154	11	4.55	475	20	2.31	1790	41	1.71	3165	55	1.11	6915	84
-7.50	-175	+12	-4.50	-485	+21	-2.30	-1805	+41	-1.70	-3200	+56	-1.10	-7025	+84
7.45	177	12	4.45	496	21	2.29	1821	41	1.69	3235	56	1.09	7138	85
7.40	180	12	4.40	507	21	2.28	1836	42	1.68	3271	56	1.08	7253	86
7.35	182	12	4.35	519	21	2.27	1851	42	1.67	3308	57	1.07	7371	86
7.30	185	12	4.30	531	22	2.26	1867	42	1.66	3345	57	1.06	7492	87
-7.25	-187	+12	-4.25	-544	+22	-2.25	-1883	+42	-1.65	-3383	+57	-1.05	-7615	+88
7.20	190	13	4.20	556	22	2.24	1899	42	1.64	3421	58	1.04	7742	89
7.15	192	13	4.15	570	23	2.23	1916	43	1.63	3460	58	1.03	7872	89
7.10	195	13	4.10	584	23	2.22	1932	43	1.62	3500	58	1.02	8004	90
7.05	198	13	4.05	598	23	2.21	1949	43	1.61	3540	59	1.01	8141	91
-7.00	-201	+13	-4.00	-613	+23	-2.20	-1966	+43	-1.60	-3581	+59	-1.00	-8280	+92

$\bar{\omega} = 0.01$
 $n = 0$

Auxiliary Table

$4\pi W_e \times 10^4$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.82803	+705	-0.00919	-18	+1.60	+43589	-581	+2.20	+41969	-837	
0.9	0.89036	819	0.00719	19	1.61	43548	585	2.21	41952	841	
0.8	0.96091	951	0.00538	20	1.62	43507	590	2.22	41935	845	
0.7	1.04100	1100	0.00377	23	1.63	43467	594	2.23	41918	850	
0.6	1.13211	1260	0.00239	24	1.64	43428	598	2.24	41902	854	
-0.5	+1.23584	+1431	-0.00125	-26	+1.65	+43390	-603	+2.25	+41885	-858	
0.4	1.35388	1601	-0.00037	29	1.66	43352	607	2.26	41869	862	
0.3	1.48791	1762	+0.00022	31	1.67	43315	611	2.27	41854	866	
0.2	1.63950	1891	0.00050	35	1.68	43278	616	2.28	41838	871	
-0.1	1.80992	1976	+0.00043	36	1.69	43242	620	2.29	41823	875	
0.0	+2.00000	+2007	0.00000	-40	+1.70	+43207	-624	+2.30	+41807	-879	
+0.1	2.21004	1977	-0.00083	44	1.71	43172	629	2.31	41792	883	
0.2	2.43975	1890	0.00210	45	1.72	43138	633	2.32	41777	887	
0.3	2.68828	1760	0.00382	49	1.73	43104	637	2.33	41763	891	
0.4	2.95436	1603	0.00603	52	1.74	43071	642	2.34	41748	896	
+0.5	+3.23644	+1430	-0.00876	-53	+1.75	+43038	-646	+2.35	+41734	-900	
0.6	3.53282	1259	0.01202	55	1.76	43006	650	2.36	41720	904	
0.7	3.84181	1099	0.01583	59	1.77	42974	655	2.37	41705	908	
0.8	4.16181	949	0.02023	59	1.78	42943	659	2.38	41692	912	
0.9	4.49133	819	0.02522	61	1.79	42912	663	2.39	41678	916	
+1.0	+4.82907	+705	-0.03082	-63	+1.80	+42882	-667	+2.40	+41664	-921	
	$\mathcal{R}_{4\pi W_e} = A/t$		$\mathcal{I}_{4\pi W_e} = (B/t) - 2\bar{\omega} \ln t $		1.81	42852	672	2.41	41651	925	
					1.82	42823	676	2.42	41638	929	
					1.83	42794	680	2.43	41625	933	
					1.84	42765	685	2.44	41612	937	
					+1.85	+42737	-689	+2.45	+41599	-941	
					1.86	42709	693	2.46	41586	946	
					1.87	42682	697	2.47	41574	950	
					1.88	42655	702	2.48	41562	954	
					1.89	42629	706	2.49	41549	958	
+1.00	+48291	-308	+1.30	+45238	-448	+1.90	+42603	-710	+2.50	+41537	-962
1.01	48151	313	1.31	45167	453	1.91	42577	714	2.55	41479	983
1.02	48015	318	1.32	45096	457	1.92	42552	719	2.60	41424	1004
1.03	47882	323	1.33	45028	462	1.93	42527	723	2.65	41372	1024
1.04	47752	327	1.34	44960	466	1.94	42502	727	2.70	41323	1045
+1.05	+47625	-332	+1.35	+44894	-471	+1.95	+42478	-731	+2.75	+41276	-1066
1.06	47502	337	1.36	44830	475	1.96	42454	736	2.80	41231	1086
1.07	47381	342	1.37	44766	479	1.97	42431	740	2.85	41189	1107
1.08	47263	346	1.38	44704	484	1.98	42407	744	2.90	41148	1128
1.09	47148	351	1.39	44643	488	1.99	42384	748	2.95	41110	1148
+1.10	+47035	-356	+1.40	+44583	-493	+2.00	+42362	-753	+3.00	+41073	-1169
1.11	46925	361	1.41	44524	497	2.01	42340	757	3.05	41038	1189
1.12	46818	365	1.42	44466	502	2.02	42318	761	3.10	41005	1210
1.13	46713	370	1.43	44410	506	2.03	42296	765	3.15	40973	1230
1.14	46610	375	1.44	44354	511	2.04	42274	770	3.20	40943	1251
+1.15	+46510	-379	+1.45	+44300	-515	+2.05	+42253	-774	+3.25	+40914	-1271
1.16	46412	384	1.46	44246	520	2.06	42233	778	3.30	40886	1292
1.17	46316	389	1.47	44193	524	2.07	42212	782	3.35	40859	1312
1.18	46222	393	1.48	44142	528	2.08	42192	787	3.40	40834	1332
1.19	46130	398	1.49	44091	533	2.09	42172	791	3.45	40809	1353
+1.20	+46040	-402	+1.50	+44041	-537	+2.10	+42152	-795	+3.50	+40785	-1373
1.21	45952	407	1.51	43992	542	2.11	42133	799	3.55	40763	1394
1.22	45866	412	1.52	43944	546	2.12	42113	803	3.60	40741	1414
1.23	45781	416	1.53	43897	550	2.13	42095	808	3.65	40720	1434
1.24	45699	421	1.54	43851	555	2.14	42076	812	3.70	40700	1455
+1.25	+45618	-425	+1.55	+43805	-559	+2.15	+42057	-816	+3.75	+40681	-1475
1.26	45539	430	1.56	43760	564	2.16	42039	820	3.80	40662	1495
1.27	45461	434	1.57	43716	568	2.17	42021	824	3.85	40644	1516
1.28	45385	439	1.58	43673	572	2.18	42003	829	3.90	40626	1536
1.29	45311	443	1.59	43631	577	2.19	41986	833	3.95	40610	1556
+1.30	+45238	-448	+1.60	+43589	-581	+2.20	+41969	-837	+4.00	+40593	-1577

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.01$$

$$n = 0$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
+4.00	+40593	-1577	+ 9.0	+39972	- 3587	+ 60	+33026	-22592
4.05	40578	1597	9.1	39965	3626	61	32798	22921
4.10	40562	1617	9.2	39959	3666	62	32567	23248
4.15	40548	1637	9.3	39953	3706	63	32333	23572
4.20	40534	1658	9.4	39947	3746	64	32096	23894
+4.25	+40520	-1678	+ 9.5	+39941	- 3786	+ 65	+31855	-24214
4.30	40507	1698	9.6	39934	3826	66	31611	24532
4.35	40494	1718	9.7	39928	3866	67	31364	24846
4.40	40481	1739	9.8	39922	3906	68	31114	25159
4.45	40469	1759	9.9	39916	3946	69	30861	25469
+4.50	+40457	-1779	+10	+39910	- 3986	+ 70	+30605	-25776
4.55	40446	1799	11	39851	4385	71	30345	26081
4.60	40435	1820	12	39792	4783	72	30083	26383
4.65	40424	1840	13	39732	5181	73	29818	26682
4.70	40413	1860	14	39670	5578	74	29549	26979
+4.75	+40403	-1880	+15	+39606	- 5974	+ 75	+29278	-27273
4.80	40393	1901	16	39539	6370	76	29004	27565
4.85	40384	1921	17	39469	6765	77	28727	27853
4.90	40374	1941	18	39395	7159	78	28447	28139
4.95	40365	1961	19	39319	7553	79	28164	28422
+5.0	+40356	-1981	+20	+39239	- 7945	+ 80	+27878	-28703
5.1	40339	2022	21	39155	8337	81	27590	28980
5.2	40322	2062	22	39068	8728	82	27298	29254
5.3	40307	2102	23	38977	9119	83	27004	29526
5.4	40292	2143	24	38882	9508	84	26708	29795
+5.5	+40277	-2183	+25	+38783	- 9896	+ 85	+26409	-30060
5.6	40264	2223	26	38681	10284	86	26107	30323
5.7	40250	2263	27	38576	10670	87	25802	30582
5.8	40238	2304	28	38466	11055	88	25495	30839
5.9	40226	2344	29	38353	11439	89	25185	31092
+6.0	+40214	-2384	+30	+38236	-11822	+ 90	+24873	-31342
6.1	40203	2424	31	38115	12204	91	24558	31590
6.2	40192	2464	32	37990	12584	92	24241	31834
6.3	40181	2505	33	37862	12964	93	23922	32074
6.4	40171	2545	34	37730	13342	94	23600	32312
+6.5	+40161	-2585	+35	+37594	-13718	+ 95	+23275	-32546
6.6	40151	2625	36	37454	14094	96	22949	32777
6.7	40142	2665	37	37311	14467	97	22620	33005
6.8	40133	2705	38	37164	14840	98	22289	33230
6.9	40124	2746	39	37014	15211	99	21955	33451
+7.0	+40115	-2786	+40	+36859	-15580	+100	+21620	-33669
7.1	40107	2826	41	36701	15948			
7.2	40099	2866	42	36540	16314			
7.3	40090	2906	43	36375	16679			
7.4	40083	2946	44	36206	17042			
+7.5	+40075	-2986	+45	+36033	-17403			
7.6	40067	3026	46	35857	17762			
7.7	40060	3066	47	35678	18120			
7.8	40052	3106	48	35494	18476			
7.9	40045	3146	49	35308	18830			
+8.0	+40038	-3187	+50	+35118	-19182			
8.1	40031	3227	51	34924	19532			
8.2	40024	3267	52	34727	19880			
8.3	40017	3307	53	34526	20227			
8.4	40011	3347	54	34322	20571			
+8.5	+40004	-3387	+55	+34114	-20913			
8.6	39997	3427	56	33903	21253			
8.7	39991	3467	57	33689	21591			
8.8	39984	3507	58	33471	21927			
8.9	39978	3547	59	33250	22261			
+9.0	+39972	-3587	+60	+33026	-22592			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.01$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I		
-100	-	1	0	-7.00	-190	+13	-4.00	-	523	+22	-1.40	-2256	+51
95	1	1	0	6.95	192	13	3.95	-	534	22	1.39	2273	51
90	1	+1	1	6.90	195	13	3.90	-	546	23	1.38	2290	51
85	1	1	1	6.85	197	13	3.85	-	558	23	1.37	2307	52
80	1	1	1	6.80	200	13	3.80	-	570	23	1.36	2324	52
-75	-	1	+1	-6.75	-203	+13	-3.75	-	583	+23	-1.35	-2341	+52
70	2	1	1	6.70	206	13	3.70	-	597	24	1.34	2359	52
65	2	1	1	6.65	209	13	3.65	-	610	24	1.33	2376	53
60	2	1	1	6.60	212	13	3.60	-	624	24	1.32	2394	53
55	3	1	1	6.55	215	13	3.55	-	639	25	1.31	2412	53
-50	-	3	+1	-6.50	-218	+14	-3.50	-	654	+25	-1.30	-2430	+53
45	4	1	1	6.45	221	14	3.45	-	670	25	1.29	2448	54
40	6	2	2	6.40	224	14	3.40	-	686	26	1.28	2467	54
35	7	2	2	6.35	228	14	3.35	-	702	26	1.27	2486	54
30	10	2	2	6.30	231	14	3.30	-	720	26	1.26	2504	54
-25.0	-	15	+3	-6.25	-235	+14	-3.25	-	738	+27	-1.25	-2523	+55
24.5	15	3	3	6.20	238	14	3.20	-	756	27	1.24	2543	55
24.0	16	3	3	6.15	242	14	3.15	-	775	28	1.23	2562	55
23.5	17	3	3	6.10	246	15	3.10	-	795	28	1.22	2582	55
23.0	18	3	3	6.05	249	15	3.05	-	816	28	1.21	2601	56
-22.5	-	18	+3	-6.00	-253	+15	-3.00	-	837	+29	-1.20	-2621	+56
22.0	19	3	3	5.95	257	15	2.95	-	859	29	1.19	2641	56
21.5	20	3	3	5.90	261	15	2.90	-	882	30	1.18	2662	56
21.0	21	4	4	5.85	265	15	2.85	-	906	30	1.17	2682	57
20.5	22	4	4	5.80	270	15	2.80	-	930	31	1.16	2703	57
-20.0	-	24	+4	-5.75	-274	+15	-2.75	-	956	+31	-1.15	-2724	+57
19.5	25	4	4	5.70	278	16	2.70	-	983	32	1.14	2745	57
19.0	26	4	4	5.65	283	16	2.65	-	1010	32	1.13	2766	58
18.5	28	4	4	5.60	288	16	2.60	-	1039	33	1.12	2788	58
18.0	29	4	4	5.55	292	16	2.55	-	1069	33	1.11	2809	58
-17.5	-	31	+5	-5.50	-297	+16	-2.50	-	1100	+34	-1.10	-2831	+59
17.0	33	5	5	5.45	302	16	2.45	-	1132	34	1.09	2853	59
16.5	35	5	5	5.40	307	16	2.40	-	1166	35	1.08	2876	59
16.0	37	5	5	5.35	313	17	2.35	-	1201	35	1.07	2898	59
15.5	40	5	5	5.30	318	17	2.30	-	1238	36	1.06	2921	60
-15.0	-	42	+5	-5.25	-324	+17	-2.25	-	1276	+37	-1.05	-2944	+60
14.5	45	6	6	5.20	329	17	2.20	-	1316	37	1.04	2967	60
14.0	49	6	6	5.15	335	17	2.15	-	1357	38	1.03	2990	61
13.5	52	6	6	5.10	341	17	2.10	-	1400	39	1.02	3014	61
13.0	56	6	6	5.05	347	18	2.05	-	1445	39	1.01	3038	61
-12.5	-	61	+7	-5.00	-354	+18	-2.00	-	1492	+40	-1.00	-3062	+62
12.0	66	7	7	4.95	360	18	1.95	-	1541	41	0.99	3086	62
11.5	72	7	7	4.90	367	18	1.90	-	1593	42	0.98	3110	62
11.0	79	8	8	4.85	373	18	1.85	-	1646	42	0.97	3135	62
10.5	86	8	8	4.80	380	19	1.80	-	1703	43	0.96	3160	63
-10.0	-	95	+9	-4.75	-387	+19	-1.75	-	1761	+44	-0.95	-3185	+63
9.5	105	9	9	4.70	395	19	1.70	-	1823	45	0.94	3211	63
9.0	117	10	10	4.65	402	19	1.65	-	1887	46	0.93	3236	64
8.5	131	10	10	4.60	410	19	1.60	-	1954	47	0.92	3262	64
8.0	147	11	11	4.55	418	20	1.55	-	2024	48	0.91	3288	64
-7.50	-	166	+12	-4.50	-426	+20	-1.50	-	2098	+49	-0.90	-3315	+65
7.45	168	12	12	4.45	435	20	1.49	-	2113	49	0.89	3341	65
7.40	171	12	12	4.40	443	20	1.48	-	2129	49	0.88	3368	65
7.35	173	12	12	4.35	452	20	1.47	-	2144	49	0.87	3395	66
7.30	175	12	12	4.30	462	21	1.46	-	2160	50	0.86	3423	66
-7.25	-	177	+12	-4.25	-471	+21	-1.45	-	2175	+50	-0.85	-3450	+66
7.20	180	12	12	4.20	481	21	1.44	-	2191	50	0.84	3478	67
7.15	182	12	12	4.15	491	21	1.43	-	2207	50	0.83	3506	67
7.10	184	12	12	4.10	501	22	1.42	-	2224	51	0.82	3534	67
7.05	187	13	13	4.05	512	22	1.41	-	2240	51	0.81	3563	68
-7.00	-	190	+13	-4.00	-523	+22	-1.40	-	2256	+51	-0.80	-3592	+68

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.01$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
-0.80	-3592	+68	-0.20	-5783	+96	+0.40	-8366	+138	+1.00	-10262	+195
0.79	3621	69	0.19	5826	97	0.41	8405	139	1.01	10286	196
0.78	3650	69	0.18	5869	97	0.42	8444	140	1.02	10310	197
0.77	3680	69	0.17	5913	98	0.43	8483	141	1.03	10333	198
0.76	3710	70	0.16	5956	98	0.44	8521	142	1.04	10357	199
-0.75	-3740	+70	-0.15	-6000	+99	+0.45	-8559	+143	+1.05	-10380	+200
0.74	3770	70	0.14	6044	99	0.46	8597	144	1.06	10403	201
0.73	3801	71	0.13	6087	100	0.47	8635	144	1.07	10425	202
0.72	3832	71	0.12	6131	101	0.48	8672	145	1.08	10448	203
0.71	3863	72	0.11	6175	101	0.49	8709	146	1.09	10470	204
-0.70	-3894	+72	-0.10	-6219	+102	+0.50	-8746	+147	+1.10	-10492	+205
0.69	3926	72	0.09	6263	103	0.51	8783	148	1.11	10514	206
0.68	3958	73	0.08	6307	103	0.52	8819	149	1.12	10536	207
0.67	3990	73	0.07	6352	104	0.53	8855	150	1.13	10557	208
0.66	4023	74	0.06	6396	104	0.54	8891	151	1.14	10579	209
-0.65	-4055	+74	-0.05	-6440	+105	+0.55	-8927	+151	+1.15	-10600	+210
0.64	4088	74	0.04	6485	106	0.56	8962	152	1.16	10620	211
0.63	4122	75	0.03	6529	106	0.57	8997	153	1.17	10641	213
0.62	4155	75	0.02	6573	107	0.58	9032	154	1.18	10662	214
0.61	4189	76	-0.01	6618	108	0.59	9067	155	1.19	10682	215
-0.60	-4223	+76	0.00	-6662	+108	+0.60	-9101	+156	+1.20	-10702	+216
0.59	4257	76	+0.01	6707	109	0.61	9135	157	1.21	10722	217
0.58	4292	77	0.02	6751	110	0.62	9169	158	1.22	10742	218
0.57	4327	77	0.03	6795	110	0.63	9202	159	1.23	10761	219
0.56	4362	78	0.04	6840	111	0.64	9236	160	1.24	10780	220
-0.55	-4397	+78	+0.05	-6884	+112	+0.65	-9269	+161	+1.25	-10800	+221
0.54	4433	79	0.06	6928	112	0.66	9301	161	1.26	10819	222
0.53	4469	79	0.07	6973	113	0.67	9334	162	1.27	10837	223
0.52	4505	79	0.08	7017	114	0.68	9366	163	1.28	10856	224
0.51	4541	80	0.09	7061	115	0.69	9398	164	1.29	10875	225
-0.50	-4578	+80	+0.10	-7105	+115	+0.70	-9430	+165	+1.30	-10893	+227
0.49	4615	81	0.11	7149	116	0.71	9461	166	1.31	10911	228
0.48	4652	81	0.12	7193	117	0.72	9492	167	1.32	10929	229
0.47	4689	82	0.13	7237	117	0.73	9523	168	1.33	10947	230
0.46	4727	82	0.14	7281	118	0.74	9554	169	1.34	10964	231
-0.45	-4765	+83	+0.15	-7324	+119	+0.75	-9584	+170	+1.35	-10982	+232
0.44	4803	83	0.16	7368	120	0.76	9614	171	1.36	10999	233
0.43	4841	84	0.17	7411	120	0.77	9644	172	1.37	11016	234
0.42	4880	84	0.18	7455	121	0.78	9674	173	1.38	11033	235
0.41	4919	85	0.19	7498	122	0.79	9703	174	1.39	11050	236
-0.40	-4958	+85	+0.20	-7541	+123	+0.80	-9732	+175	+1.40	-11066	+238
0.39	4997	86	0.21	7584	123	0.81	9761	176	1.41	11083	239
0.38	5037	86	0.22	7627	124	0.82	9789	177	1.42	11099	240
0.37	5077	87	0.23	7669	125	0.83	9818	178	1.43	11115	241
0.36	5117	87	0.24	7712	126	0.84	9846	179	1.44	11131	242
-0.35	-5157	+88	+0.25	-7754	+126	+0.85	-9874	+180	+1.45	-11147	+243
0.34	5197	88	0.26	7796	127	0.86	9901	181	1.46	11163	244
0.33	5238	89	0.27	7838	128	0.87	9928	182	1.47	11179	245
0.32	5279	89	0.28	7880	129	0.88	9955	183	1.48	11194	246
0.31	5320	90	0.29	7922	130	0.89	9982	184	1.49	11209	248
-0.30	-5361	+90	+0.30	-7963	+130	+0.90	-10009	+185	+1.50	-11224	+249
0.29	5402	91	0.31	8004	131	0.91	10035	186	1.55	11298	254
0.28	5444	91	0.32	8045	132	0.92	10061	187	1.60	11369	260
0.27	5486	92	0.33	8086	133	0.93	10087	188	1.65	11436	266
0.26	5528	93	0.34	8127	134	0.94	10113	189	1.70	11500	271
-0.25	-5570	+93	+0.35	-8167	+134	+0.95	-10138	+190	+1.75	-11561	+277
0.24	5612	94	0.36	8208	135	0.96	10163	191	1.80	11620	283
0.23	5655	94	0.37	8248	136	0.97	10188	192	1.85	11676	289
0.22	5697	95	0.38	8287	137	0.98	10213	193	1.90	11729	295
0.21	5740	95	0.39	8327	138	0.99	10238	194	1.95	11780	300
-0.20	-5783	+96	+0.40	-8366	+138	+1.00	-10262	+195	+2.00	-11829	+306

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.01$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
+2.00	-11829	+306	+5.00	-12954	+684	+12.5	-13159	+1668	+65	-10605	+8064
2.05	11876	312	5.05	12960	690	13.0	13155	1734	66	10524	8170
2.10	11921	318	5.10	12966	697	13.5	13151	1799	67	10442	8275
2.15	11964	324	5.15	12971	703	14.0	13145	1865	68	10359	8379
2.20	12005	330	5.20	12977	710	14.5	13139	1931	69	10275	8482
+2.25	-12045	+336	+5.25	-12982	+716	+15.0	-13132	+1997	+70	-10189	+8584
2.30	12083	342	5.30	12987	723	15.5	13125	2062	71	10103	8686
2.35	12119	348	5.35	12992	729	16.0	13117	2128	72	10016	8786
2.40	12154	354	5.40	12997	736	16.5	13108	2193	73	9928	8886
2.45	12188	360	5.45	13002	742	17.0	13099	2259	74	9838	8985
+2.50	-12220	+367	+5.50	-13007	+749	+17.5	-13090	+2324	+75	-9748	+9083
2.55	12251	373	5.55	13011	755	18.0	13080	2390	76	9657	9180
2.60	12281	379	5.60	13016	762	18.5	13069	2455	77	9564	9276
2.65	12309	385	5.65	13020	768	19.0	13058	2521	78	9471	9371
2.70	12337	391	5.70	13024	775	19.5	13047	2586	79	9377	9465
+2.75	-12363	+397	+5.75	-13028	+781	+20	-13035	+2651	+80	-9282	+9559
2.80	12389	404	5.80	13032	788	21	13010	2781	81	9186	9651
2.85	12413	410	5.85	13036	794	22	12984	2911	82	9089	9742
2.90	12437	416	5.90	13040	801	23	12956	3041	83	8991	9833
2.95	12459	422	5.95	13043	807	24	12926	3170	84	8892	9922
+3.00	-12481	+428	+6.00	-13047	+814	+25	-12895	+3299	+85	-8793	+10011
3.05	12502	435	6.05	13050	820	26	12863	3428	86	8692	10098
3.10	12523	441	6.10	13054	827	27	12829	3557	87	8591	10185
3.15	12542	447	6.15	13057	833	28	12794	3685	88	8489	10270
3.20	12561	453	6.20	13060	840	29	12757	3812	89	8386	10354
+3.25	-12580	+460	+6.25	-13064	+846	+30	-12719	+3940	+90	-8282	+10438
3.30	12597	466	6.30	13067	853	31	12680	4067	91	8177	10520
3.35	12614	472	6.35	13070	859	32	12639	4193	92	8071	10601
3.40	12631	479	6.40	13072	866	33	12597	4320	93	7965	10681
3.45	12647	485	6.45	13075	873	34	12554	4445	94	7858	10760
+3.50	-12662	+491	+6.50	-13078	+879	+35	-12509	+4571	+95	-7750	+10839
3.55	12677	498	6.55	13081	886	36	12463	4696	96	7641	10915
3.60	12691	504	6.60	13083	892	37	12416	4820	97	7531	10991
3.65	12705	510	6.65	13086	899	38	12368	4944	98	7421	11066
3.70	12719	517	6.70	13088	905	39	12318	5067	99	7310	11140
+3.75	-12732	+523	+6.75	-13091	+912	+40	-12267	+5190	+100	-7198	+11212
3.80	12744	529	6.80	13093	918	41	12215	5313			
3.85	12756	536	6.85	13095	925	42	12161	5435			
3.90	12768	542	6.90	13098	931	43	12107	5556			
3.95	12780	549	6.95	13100	938	44	12051	5677			
+4.00	-12791	+555	+7.00	-13102	+945	+45	-11994	+5797			
4.05	12801	561	7.05	13104	951	46	11935	5917			
4.10	12812	568	7.10	13106	958	47	11876	6036			
4.15	12822	574	7.15	13108	964	48	11815	6154			
4.20	12832	581	7.20	13110	971	49	11753	6272			
+4.25	-12841	+587	+7.25	-13112	+977	+50	-11690	+6389			
4.30	12850	593	7.30	13114	984	51	11625	6506			
4.35	12859	600	7.35	13116	990	52	11560	6622			
4.40	12868	606	7.40	13117	997	53	11493	6737			
4.45	12876	613	7.45	13119	1004	54	11425	6851			
+4.50	-12884	+619	+7.5	-13121	+1010	+55	-11357	+6965			
4.55	12892	626	8.0	13135	1076	56	11286	7079			
4.60	12900	632	8.5	13146	1141	57	11215	7191			
4.65	12907	638	9.0	13153	1207	58	11143	7303			
4.70	12915	645	9.5	13159	1273	59	11069	7414			
+4.75	-12922	+651	+10.0	-13163	+1339	+60	-10995	+7524			
4.80	12929	658	10.5	13165	1405	61	10919	7634			
4.85	12935	664	11.0	13165	1470	62	10842	7743			
4.90	12942	671	11.5	13164	1536	63	10764	7851			
4.95	12948	677	12.0	13162	1602	64	10685	7958			
+5.00	-12954	+684	+12.5	-13159	+1668	+65	-10605	+8064			

$$\bar{\omega} = 0.01$$

$$n = 4$$

$$4\pi W_e \times 10^4$$

t	R	S	t	R	S	t	R	S	t	R	S	t	R	S		
-100	-	1	0	-6.5	-	183	+13	-0.5	-1154	+43	+5.5	-2418	+161	+27.5	-2547	+725
95	1	0	0	6.4	188	13	13	0.4	1188	44	5.6	2424	163	28.0	2544	737
90	1	0	0	6.3	192	13	13	0.3	1223	46	5.7	2430	166	28.5	2541	750
85	1	+1	1	6.2	197	13	13	0.2	1259	47	5.8	2436	168	29.0	2537	763
80	1	1	1	6.1	202	14	14	-0.1	1294	48	5.9	2441	171	29.5	2534	775
-75	-	1	+1	-6.0	-	208	+14	0.0	-1330	+50	+6.0	-2447	+173	+30	-2530	+788
70	2	1	1	5.9	213	14	14	+0.1	1365	51	6.1	2452	176	32	2515	839
65	2	1	1	5.8	219	14	14	0.2	1400	52	6.2	2457	178	34	2499	889
60	2	1	1	5.7	225	14	14	0.3	1436	54	6.3	2461	181	36	2482	938
55	3	1	1	5.6	231	15	15	0.4	1471	55	6.4	2466	183	38	2463	988
-50	-	3	+1	-5.5	-	237	+15	+0.5	-1505	+57	+6.5	-2470	+185	+40	-2444	+1037
45	4	1	1	5.4	243	15	15	0.6	1540	58	6.6	2475	188	42	2423	1086
40	5	2	2	5.3	250	15	15	0.7	1573	60	6.7	2479	190	44	2401	1134
35	7	2	2	5.2	257	16	16	0.8	1607	61	6.8	2483	193	46	2379	1182
30	10	2	2	5.1	264	16	16	0.9	1640	63	6.9	2486	195	48	2355	1229
-25.0	-	15	+3	-5.0	-	272	+16	+1.0	-1672	+65	+7.0	-2490	+198	+50	-2330	+1276
24.5	15	3	3	4.9	280	16	16	1.1	1703	66	7.1	2494	200	52	2305	1322
24.0	16	3	3	4.8	288	17	17	1.2	1734	68	7.2	2497	203	54	2278	1368
23.5	17	3	3	4.7	296	17	17	1.3	1764	70	7.3	2500	205	56	2250	1413
23.0	17	3	3	4.6	305	17	17	1.4	1793	72	7.4	2504	208	58	2222	1458
-22.5	-	18	+3	-4.5	-	314	+18	+1.5	-1822	+73	+7.5	-2507	+210	+60	-2192	+1502
22.0	19	3	3	4.4	324	18	18	1.6	1850	75	8.0	2521	223	62	2162	1546
21.5	20	3	3	4.3	334	18	18	1.7	1876	77	8.5	2533	236	64	2131	1589
21.0	21	4	4	4.2	344	19	19	1.8	1903	79	9.0	2543	248	66	2099	1631
20.5	22	4	4	4.1	355	19	19	1.9	1928	81	9.5	2551	261	68	2066	1673
-20.0	-	23	+4	-4.0	-	366	+19	+2.0	-1952	+83	+10.0	-2558	+274	+70	-2032	+1714
19.5	24	4	4	3.9	377	20	20	2.1	1976	85	10.5	2564	287	72	1998	1754
19.0	26	4	4	3.8	389	20	20	2.2	1999	87	11.0	2569	299	74	1962	1794
18.5	27	4	4	3.7	402	20	20	2.3	2021	89	11.5	2574	312	76	1926	1832
18.0	28	4	4	3.6	415	21	21	2.4	2042	91	12.0	2577	325	78	1889	1871
-17.5	-	30	+5	-3.5	-	428	+21	+2.5	-2063	+93	+12.5	-2581	+338	+80	-1851	+1908
17.0	32	5	5	3.4	442	22	22	2.6	2082	95	13.0	2583	351	82	1813	1945
16.5	34	5	5	3.3	457	22	22	2.7	2101	97	13.5	2585	364	84	1774	1981
16.0	36	5	5	3.2	472	23	23	2.8	2119	99	14.0	2586	377	86	1734	2016
15.5	38	5	5	3.1	487	23	23	2.9	2137	101	14.5	2588	390	88	1693	2050
-15.0	-	41	+5	-3.0	-	504	+24	+3.0	-2154	+103	+15.0	-2589	+403	+90	-1652	+2083
14.5	43	6	6	2.9	521	24	24	3.1	2170	106	15.5	2589	416	92	1610	2116
14.0	47	6	6	2.8	538	25	25	3.2	2186	108	16.0	2589	429	94	1567	2148
13.5	50	6	6	2.7	557	25	25	3.3	2201	110	16.5	2589	442	96	1524	2179
13.0	54	6	6	2.6	576	26	26	3.4	2215	112	17.0	2589	454	98	1480	2209
-12.5	-	58	+7	-2.5	-	596	+26	+3.5	-2229	+114	+17.5	-2588	+467	+100	-1436	+2238
12.0	62	7	7	2.4	616	27	27	3.6	2243	117	18.0	2588	480			
11.5	68	7	7	2.3	638	28	28	3.7	2256	119	18.5	2587	493			
11.0	74	8	8	2.2	660	28	28	3.8	2268	121	19.0	2586	506			
10.5	80	8	8	2.1	683	29	29	3.9	2280	123	19.5	2584	519			
-10.0	-	88	+8	-2.0	-	706	+30	+4.0	-2291	+126	+20.0	-2583	+532			
9.5	96	9	9	1.9	731	30	30	4.1	2302	128	20.5	2581	545			
9.0	106	9	9	1.8	756	31	31	4.2	2313	130	21.0	2580	558			
8.5	117	10	10	1.7	782	32	32	4.3	2323	133	21.5	2578	571			
8.0	130	11	11	1.6	809	33	33	4.4	2333	135	22.0	2576	584			
-7.5	-	145	+11	-1.5	-	837	+33	+4.5	-2342	+137	+22.5	-2574	+597			
7.4	148	11	11	1.4	865	34	34	4.6	2351	140	23.0	2572	609			
7.3	152	11	11	1.3	895	35	35	4.7	2360	142	23.5	2569	622			
7.2	155	12	12	1.2	925	36	36	4.8	2368	144	24.0	2567	635			
7.1	159	12	12	1.1	956	37	37	4.9	2376	147	24.5	2564	648			
-7.0	-	162	+12	-1.0	-	987	+38	+5.0	-2384	+149	+25.0	-2562	+661			
6.9	166	12	12	0.9	1019	39	39	5.1	2391	151	25.5	2559	674			
6.8	170	12	12	0.8	1052	40	40	5.2	2398	154	26.0	2556	686			
6.7	174	12	12	0.7	1085	41	41	5.3	2405	156	26.5	2553	699			
6.6	179	13	13	0.6	1119	42	42	5.4	2412	159	27.0	2550	712			
-6.5	-	183	+13	-0.5	-	1154	+43	+5.5	-2418	+161	+27.5	-2547	+725			

$$\bar{\omega} = 0.01$$

$$4\pi W_e \times 10^4$$

$n = 6$			$n = 6$			$n = 8$			$n = 8$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	-	1 0	0.0	-	568 + 32	-100	-	1 0	0	-314	+ 24
95	1	0	+ 0.5	617	35	95	1	0	+ 1	354	27
90	1	+ 1	1.0	664	38	90	1	+ 1	2	392	31
85	1	1	1.5	710	42	85	1	1	3	426	35
80	1	1	2.0	752	45	80	1	1	4	457	39
- 75	-	1 + 1	+ 2.5	- 792	+ 49	- 75	-	1 + 1	+ 5	-483	+ 44
70	2	1	3.0	828	53	70	2	1	6	504	49
65	2	1	3.5	860	58	65	2	1	7	522	54
60	2	1	4.0	888	62	60	2	1	8	537	59
55	3	1	4.5	914	66	55	3	1	9	549	65
- 50	-	3 + 1	+ 5.0	- 936	+ 71	- 50	-	3 + 1	+ 10	-559	+ 70
45	4	1	5.5	956	76	45	4	1	11	567	76
40	5	2	6.0	973	81	40	5	2	12	573	82
35	7	2	6.5	988	85	35	7	2	13	579	87
30	10	2	7.0	1001	90	30	10	2	14	583	93
- 25	-	14 + 3	+ 7.5	-1013	+ 95	- 25	-	14 + 3	+ 15	-586	+ 99
24	15	3	8.0	1023	100	24	15	3	16	589	105
23	17	3	8.5	1032	106	23	16	3	17	591	111
22	18	3	9.0	1040	111	22	18	3	18	593	117
21	20	4	9.5	1047	116	21	19	3	19	594	123
- 20	-	22 + 4	+ 10	-1053	+121	- 20	-	21 + 4	+ 20	-595	+129
19	25	4	11	1063	132	19	23	4	21	596	135
18	27	4	12	1071	143	18	26	4	22	596	141
17	30	5	13	1077	153	17	28	4	23	596	146
16	34	5	14	1082	164	16	32	5	24	596	152
- 15	-	38 + 5	+ 15	-1085	+175	- 15	-	35 + 5	+ 25	-595	+158
14	43	6	16	1088	186	14	40	5	30	591	188
13	49	6	17	1089	197	13	45	6	35	584	217
12	57	7	18	1090	208	12	51	6	40	574	246
11	66	7	19	1091	219	11	58	7	45	562	275
- 10.0	-	77 + 8	+ 20	-1091	+229	- 10	-	67 + 8	+ 50	-548	+303
9.5	84	8	21	1091	240	9	77	8	55	533	330
9.0	91	9	22	1090	251	8	90	9	60	517	356
8.5	100	9	23	1089	262	7	105	10	65	499	381
8.0	109	10	24	1088	273	6	123	11	70	479	406
- 7.5	-120	+10	+ 25	-1086	+284	- 5	-145	+13	+ 75	-459	+429
7.0	132	11	30	1076	338	4	172	14	80	437	452
6.5	145	12	35	1060	391	3	202	16	85	414	473
6.0	161	12	40	1041	444	2	237	18	90	390	493
5.5	178	13	45	1019	495	- 1	275	21	95	365	512
- 5.0	-198	+14	+ 50	- 994	+546	0	-314	+24	+100	-339	+529
4.5	221	15	55	966	595						
4.0	247	16	60	935	642						
3.5	276	18	65	903	688						
3.0	308	19	70	867	733						
- 2.5	-344	+21	+ 75	- 830	+775						
2.0	384	23	80	790	815						
1.5	426	25	85	749	854						
1.0	472	27	90	705	890						
- 0.5	519	29	95	660	924						
0.0	-568	+32	+100	- 613	+956						

$4\pi W_e \times 10^4$

$n = 10$			$n = 10$			$n = 12$			$n = 12$					
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}			
-100	-	1	0	0	-199	+ 19	-100	-	1	0	0	0	-137	+ 15
95	1	0	+ 1	1	219	21	95	1	0	+ 1	1	1	149	17
90	1	+ 1		2	239	23	90	1	0		2	2	160	18
85	1	1		3	257	25	85	1	0		3	3	171	20
80	1	1		4	274	28	80	1	+ 1		4	4	181	22
- 75	-	1	+ 1	+ 5	-289	+ 31	- 75	-	1	+ 1	+ 5	5	-190	+ 24
70	2	1		6	302	34	70	2	1		6	6	199	25
65	2	1		7	314	37	65	2	1		7	7	207	27
60	2	1		8	324	40	60	2	1		8	8	213	30
55	3	1		9	332	43	55	3	1		9	9	219	32
- 50	-	3	+ 1	+ 10	-339	+ 47	- 50	-	3	+ 1	+ 10	10	-225	+ 34
45	4	1		11	345	50	45	4	1		11	11	229	36
40	5	2		12	351	54	40	5	2		12	12	233	38
35	7	2		13	355	57	35	7	2		13	13	237	41
30	9	2		14	359	61	30	9	2		14	14	240	43
- 25	-	13	+ 3	+ 15	-362	+ 64	- 25	-	13	+ 3	+ 15	15	-242	+ 46
24	14	3		16	364	68	24	14	3		16	16	244	48
23	15	3		17	366	72	23	15	3		17	17	246	51
22	17	3		18	368	75	22	16	3		18	18	248	53
21	18	3		19	369	79	21	17	3		19	19	249	55
- 20	-	20	+ 4	+ 20	-370	+ 83	- 20	-	19	+ 3	+ 20	20	-250	+ 58
19	22	4		21	371	86	19	20	4		21	21	251	61
18	24	4		22	372	90	18	22	4		22	22	252	63
17	26	4		23	372	94	17	24	4		23	23	252	66
16	29	5		24	373	98	16	26	4		24	24	253	68
- 15	-	32	+ 5	+ 25	-373	+ 101	- 15	-	29	+ 5	+ 25	25	-253	+ 71
14	36	5		30	371	120	14	32	5		30	30	253	83
13	40	6		35	367	138	13	35	5		35	35	251	96
12	45	6		40	362	157	12	39	6		40	40	248	108
11	50	6		45	355	175	11	43	6		45	45	243	121
- 10	-	57	+ 7	+ 50	-346	+ 192	- 10	-	48	+ 7	+ 50	50	-238	+ 133
9	65	8		55	337	209	9	54	7		55	55	231	144
8	73	8		60	327	226	8	60	8		60	60	224	156
7	84	9		65	315	242	7	67	8		65	65	217	167
6	95	10		70	303	257	6	75	9		70	70	208	177
- 5	-109	+ 11		+ 75	-290	+ 272	- 5	-	84	+ 10	+ 75	75	-199	+ 188
4	124	12		80	276	286	4	93	11		80	80	190	197
3	141	14		85	262	300	3	103	12		85	85	180	207
2	159	15		90	247	312	2	114	13		90	90	170	215
- 1	179	17		95	231	324	- 1	126	14		95	95	159	223
0	-199	+ 19		+ 100	-215	+ 335	0	-137	+ 15		+ 100	100	-148	+ 231

$$4\pi W_e \times 10^4$$

$n = 14$			$n = 14$			$n = 16$			$n = 16$				
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}		
-100	-	1	0	-100	+ 13	-100	-	1	0	-	76	+ 11	
95		1	+ 1	107	14	95		1	+ 1	+ 1	81	12	
90		1		114	15	90		1		2	85	13	
85		1		121	16	85		1	+ 1	3	90	13	
80		1	+ 1	128	17	80		1	1	4	95	14	
- 75	-	1	+ 1	+ 5	-134	+ 19	- 75	-	1	+ 1	+ 5	- 99	+ 15
70		2	1	6	140	20	70		2	1	6	103	16
65		2	1	7	145	21	65		2	1	7	106	18
60		2	1	8	150	23	60		2	1	8	110	19
55		3	1	9	154	24	55		3	1	9	113	20
- 50	-	3	+ 1	+ 10	-158	+ 26	- 50	-	3	+ 1	+ 10	-116	+ 21
45		4	1	11	161	28	45		4	1	11	119	22
40		5	2	12	165	29	40		5	2	12	121	23
35		7	2	13	167	31	35		6	2	13	123	24
30		9	2	14	170	33	30		8	2	14	125	26
- 25	-	12	+ 3	+ 15	-172	+ 34	- 25	-	11	+ 3	+ 15	-127	+ 27
24		13	3	16	174	36	24		12	3	16	129	28
23		14	3	17	175	38	23		13	3	17	130	29
22		15	3	18	177	40	22		14	3	18	131	31
21		16	3	19	178	41	21		15	3	19	132	32
- 20	-	17	+ 3	+ 20	-179	+ 43	- 20	-	16	+ 3	+ 20	-133	+ 34
19		19	3	21	180	45	19		17	3	21	134	35
18		20	4	22	180	47	18		18	4	22	135	36
17		22	4	23	181	48	17		20	4	23	135	38
16		24	4	24	182	50	16		22	4	24	136	39
- 15	-	26	+ 4	+ 25	-182	+ 52	- 15	-	23	+ 4	+ 25	-136	+ 40
14		29	5	30	183	61	14		25	4	30	137	47
13		31	5	35	182	70	13		27	5	35	137	54
12		34	5	40	179	79	12		30	5	40	135	61
11		38	6	45	176	88	11		32	6	45	133	67
- 10	-	41	+ 6	+ 50	-172	+ 97	- 10	-	35	+ 6	+ 50	-130	+ 74
9		45	6	55	168	106	9		38	6	55	127	80
8		50	7	60	163	114	8		42	7	60	123	87
7		55	7	65	158	122	7		45	7	65	119	93
6		60	8	70	152	130	6		49	7	70	115	99
- 5	-	66	+ 9	+ 75	-145	+ 137	- 5	-	53	+ 8	+ 75	-110	+ 104
4		72	9	80	138	144	4		57	8	80	105	110
3		78	10	85	131	151	3		62	9	85	99	115
2		85	11	90	124	157	2		67	10	90	94	120
- 1	-	93	12	95	116	163	- 1	-	71	10	95	88	124
0	-100	+13		+100	-107	+169	0	-76	+11		+100	- 81	+128

t	$n = 18$		$n = 20$		$n = 22$		$n = 24$		$n = 26$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	-1	0	-1	0	-1	0	-1	0	-1	0
95	1	0	1	0	1	0	1	0	1	0
90	1	0	1	0	1	0	1	0	1	0
85	1	0	1	0	1	0	1	0	1	0
80	1	+1	1	+1	1	+1	1	+1	1	+1
-75	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
70	1	1	1	1	1	1	1	1	1	1
65	2	1	2	1	2	1	2	1	2	1
60	2	1	2	1	2	1	2	1	2	1
55	2	1	2	1	2	1	2	1	2	1
-50	-3	+1	-	+1	-3	+1	-3	+1	-3	+1
45	4	1	4	1	4	1	3	1	3	1
40	5	1	5	1	4	1	4	1	4	1
35	6	2	6	2	5	2	5	2	5	2
30	8	2	7	2	7	2	7	2	6	2
-25	-11	+3	-10	+2	-9	+2	-9	+2	-8	+2
20	15	3	13	3	12	3	11	3	10	3
15	21	4	19	4	17	4	15	3	14	3
10	30	5	26	5	23	5	20	4	18	4
-5	43	7	36	7	31	6	26	6	22	5
0	-60	+10	-48	+9	-39	+8	-33	+7	-28	+6
+5	76	13	60	11	48	10	39	9	33	8
10	88	17	69	15	55	12	45	11	38	10
15	97	22	76	18	61	15	50	13	41	12
20	102	27	80	22	65	19	53	16	44	14
+25	-105	+32	-83	+26	-67	+22	-55	+19	-46	+16
30	106	37	84	30	68	25	56	21	47	18
35	106	43	84	35	68	29	56	24	47	21
40	105	48	84	39	68	32	56	27	47	23
45	104	53	83	43	67	35	56	30	47	25
+50	-102	+58	-81	+47	-66	+39	-55	+32	-46	+28
55	99	63	79	51	65	42	54	35	45	30
60	96	68	77	55	63	45	52	38	44	32
65	93	73	75	59	61	48	51	40	42	34
70	90	77	72	62	59	51	49	43	41	36
+75	-86	+82	-69	+66	-56	+54	-47	+45	-39	+38
80	82	86	66	69	54	57	45	48	38	40
85	78	90	62	72	51	60	42	50	36	42
90	73	94	59	75	48	62	40	52	34	44
95	69	97	55	78	45	64	37	54	31	45
+100	-64	+101	-51	+81	-42	+66	-35	+55	-29	+47

t	$n = 28$		$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0	-1	0
90	1	0	1	0	1	0	1	0	1	0	1	0	1	0
80	1	+1	1	+1	1	+1	1	+1	1	+1	1	+1	1	+1
70	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60	2	1	2	1	2	1	2	1	2	1	2	1	2	1
-50	-3	+1	-3	+1	-3	+1	-2	+1	-2	+1	-2	+1	-2	+1
40	4	1	4	1	4	1	3	1	3	1	3	1	3	1
30	6	2	6	2	5	2	5	2	5	2	4	2	4	2
20	10	3	9	3	8	2	8	2	7	2	6	2	6	2
-10	16	4	14	4	12	3	11	3	10	3	9	3	8	3
0	-24	+6	-20	+5	-18	+5	-16	+5	-14	+4	-12	+4	-11	+4
+10	32	9	27	8	23	7	20	6	17	6	15	5	14	5
20	37	12	31	11	27	9	23	9	20	8	18	7	16	6
30	39	16	33	14	29	12	25	11	22	10	19	9	17	8
40	40	20	34	17	29	15	25	13	22	12	20	11	17	10
+50	-39	+24	-33	+21	-29	+18	-25	+16	-22	+14	-19	+13	-17	+11
60	37	28	32	24	28	21	24	18	21	16	19	15	17	13
70	35	31	30	27	26	24	23	21	20	18	18	16	16	15
80	32	34	27	30	24	26	21	23	18	20	16	18	14	16
90	29	37	25	32	21	28	19	25	16	22	15	20	13	18
+100	-25	+40	-21	+35	-19	+30	-16	+27	-14	+24	-13	+21	-11	+19

$4\pi W_e \times 10^4$ $\bar{\omega} = 0.02$
 $n = 0$

t	R	S	t	R	S	t	R	S	t	R	S	t	R	S
-100	0	0	-7.00	-197	+24	-4.00	-607	+44	-2.20	-1959	+84	-1.60	-3573	+116
95	-1	+1	6.95	200	24	3.95	623	45	2.19	1976	84	1.59	3615	116
90	1	1	6.90	203	24	3.90	639	46	2.18	1993	85	1.58	3658	117
85	1	1	6.85	206	24	3.85	655	46	2.17	2011	85	1.57	3701	118
80	1	1	6.80	209	24	3.80	673	47	2.16	2029	85	1.56	3745	119
-75	-1	+1	-6.75	-212	+25	-3.75	-691	+48	-2.15	-2047	+86	-1.55	-3789	+119
70	1	1	6.70	215	25	3.70	709	48	2.14	2065	86	1.54	3835	120
65	1	1	6.65	218	25	3.65	729	49	2.13	2084	87	1.53	3881	121
60	2	1	6.60	222	25	3.60	749	50	2.12	2103	87	1.52	3928	122
55	2	1	6.55	225	26	3.55	770	51	2.11	2122	87	1.51	3976	122
-50	-3	+2	-6.50	-229	+26	-3.50	-792	+51	-2.10	-2141	+88	-1.50	-4025	+123
45	3	2	6.45	232	26	3.45	814	52	2.09	2161	88	1.49	4075	124
40	5	2	6.40	236	26	3.40	838	53	2.08	2181	89	1.48	4126	125
35	6	3	6.35	240	27	3.35	863	54	2.07	2201	89	1.47	4177	126
30	9	4	6.30	244	27	3.30	889	55	2.06	2221	90	1.46	4230	126
-25.0	-13	+5	-6.25	-248	+27	-3.25	-916	+56	-2.05	-2242	+90	-1.45	-4283	+127
24.5	14	5	6.20	252	27	3.20	945	57	2.04	2263	91	1.44	4338	128
24.0	15	5	6.15	256	27	3.15	975	58	2.03	2284	91	1.43	4393	129
23.5	15	5	6.10	260	28	3.10	1006	59	2.02	2306	91	1.42	4450	130
23.0	16	5	6.05	265	28	3.05	1038	60	2.01	2328	92	1.41	4507	131
-22.5	-17	+5	-6.00	-269	+28	-3.00	-1073	+61	-2.00	-2350	+92	-1.40	-4566	+132
22.0	18	6	5.95	274	28	2.95	1109	62	1.99	2372	93	1.39	4626	133
21.5	19	6	5.90	278	29	2.90	1146	63	1.98	2395	93	1.38	4687	134
21.0	20	6	5.85	283	29	2.85	1186	64	1.97	2418	94	1.37	4749	134
20.5	21	6	5.80	288	29	2.80	1228	65	1.96	2442	94	1.36	4812	135
-20.0	-22	+6	-5.75	-293	+30	-2.75	-1272	+66	-1.95	-2466	+95	-1.35	-4877	+136
19.5	23	7	5.70	298	30	2.70	1318	68	1.94	2490	95	1.34	4943	137
19.0	24	7	5.65	304	30	2.65	1367	69	1.93	2514	96	1.33	5010	138
18.5	26	7	5.60	309	30	2.60	1419	70	1.92	2539	96	1.32	5079	139
18.0	27	7	5.55	315	31	2.55	1473	72	1.91	2564	97	1.31	5149	140
-17.5	-29	+8	-5.50	-321	+31	-2.50	-1531	+73	-1.90	-2590	+97	-1.30	-5220	+142
17.0	31	8	5.45	327	31	2.49	1543	74	1.89	2616	98	1.29	5293	143
16.5	33	8	5.40	333	32	2.48	1555	74	1.88	2642	98	1.28	5368	144
16.0	35	9	5.35	339	32	2.47	1567	74	1.87	2669	99	1.27	5443	145
15.5	38	9	5.30	346	32	2.46	1579	75	1.86	2696	99	1.26	5521	146
-15.0	-40	+9	-5.25	-352	+33	-2.45	-1592	+75	-1.85	-2724	+100	-1.25	-5600	+147
14.5	43	10	5.20	359	33	2.44	1604	75	1.84	2752	100	1.24	5681	148
14.0	47	10	5.15	366	34	2.43	1617	76	1.83	2780	101	1.23	5763	149
13.5	51	11	5.10	373	34	2.42	1630	76	1.82	2809	102	1.22	5848	150
13.0	55	11	5.05	381	34	2.41	1643	76	1.81	2838	102	1.21	5934	152
-12.5	-59	+12	-5.00	-389	+35	-2.40	-1657	+77	-1.80	-2868	+103	-1.20	-6022	+153
12.0	65	12	4.95	397	35	2.39	1670	77	1.79	2898	103	1.19	6111	154
11.5	71	13	4.90	405	36	2.38	1684	77	1.78	2929	104	1.18	6203	155
11.0	78	14	4.85	413	36	2.37	1697	78	1.77	2960	104	1.17	6297	156
10.5	86	15	4.80	422	36	2.36	1711	78	1.76	2992	105	1.16	6393	158
-10.0	-95	+16	-4.75	-431	+37	-2.35	-1725	+78	-1.75	-3024	+106	-1.15	-6491	+159
9.5	105	16	4.70	440	37	2.34	1740	79	1.74	3056	106	1.14	6591	160
9.0	118	18	4.65	450	38	2.33	1754	79	1.73	3090	107	1.13	6694	162
8.5	132	19	4.60	459	38	2.32	1769	79	1.72	3123	108	1.12	6799	163
8.0	150	20	4.55	470	39	2.31	1783	80	1.71	3158	108	1.11	6906	164
-7.50	-171	+22	-4.50	-480	+39	-2.30	-1798	+80	-1.70	-3192	+109	-1.10	-7016	+166
7.45	173	22	4.45	491	39	2.29	1814	80	1.69	3228	109	1.09	7129	167
7.40	176	22	4.40	502	40	2.28	1829	81	1.68	3264	110	1.08	7244	169
7.35	178	22	4.35	514	40	2.27	1844	81	1.67	3300	111	1.07	7362	170
7.30	181	22	4.30	526	41	2.26	1860	81	1.66	3337	111	1.06	7482	171
-7.25	-183	+23	-4.25	-538	+42	-2.25	-1876	+82	-1.65	-3375	+112	-1.05	-7606	+173
7.20	186	23	4.20	551	42	2.24	1892	82	1.64	3413	113	1.04	7733	175
7.15	188	23	4.15	564	43	2.23	1909	83	1.63	3452	113	1.03	7862	176
7.10	191	23	4.10	578	43	2.22	1925	83	1.62	3492	114	1.02	7995	178
7.05	194	23	4.05	592	44	2.21	1942	83	1.61	3532	115	1.01	8131	179
-7.00	-197	+24	-4.00	-607	+44	-2.20	-1959	+84	-1.60	-3573	+116	-1.00	-8271	+181

$$\bar{\omega} = 0.02$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.82710	+705	-0.01809	-36	+1.60	+43597	-1166	+2.20	+41964	-1678	
0.9	0.88949	821	0.01412	37	1.61	43556	1174	2.21	41947	1686	
0.8	0.96012	951	0.01052	42	1.62	43515	1183	2.22	41930	1694	
0.7	1.04029	1100	0.00734	44	1.63	43475	1192	2.23	41913	1703	
0.6	1.13148	1259	0.00460	48	1.64	43436	1200	2.24	41896	1711	
-0.5	+1.23528	+1434	-0.00234	-54	+1.65	+43397	-1209	+2.25	+41880	-1720	
0.4	1.35341	1602	-0.00062	57	1.66	43359	1218	2.26	41863	1728	
0.3	1.48754	1763	+0.00053	62	1.67	43322	1226	2.27	41847	1736	
0.2	1.63924	1892	0.00106	69	1.68	43285	1235	2.28	41831	1745	
-0.1	1.80978	1978	+0.00090	74	1.69	43249	1244	2.29	41816	1753	
0.0	+2.00000	+2012	0.00000	-80	+1.70	+43213	-1252	+2.30	+41800	-1761	
+0.1	2.21022	1978	-0.00170	86	1.71	43178	1261	2.31	41785	1770	
0.2	2.44012	1891	0.00426	92	1.72	43144	1270	2.32	41770	1778	
0.3	2.68885	1760	0.00774	98	1.73	43110	1278	2.33	41755	1786	
0.4	2.95513	1600	0.01220	102	1.74	43076	1287	2.34	41740	1795	
+0.5	+3.23739	+1432	-0.01768	-107	+1.75	+43043	-1296	+2.35	+41725	-1803	
0.6	3.53396	1255	0.02423	112	1.76	43011	1304	2.36	41711	1811	
0.7	3.84311	1097	0.03190	116	1.77	42979	1313	2.37	41697	1820	
0.8	4.16325	947	0.04073	119	1.78	42948	1321	2.38	41682	1828	
0.9	4.49289	816	0.05075	122	1.79	42917	1330	2.39	41669	1836	
+1.0	+4.83072	+701	-0.06199	-125	+1.80	+42886	-1339	+2.40	+41655	-1845	
	$\mathcal{R}_{4\pi W_e} = A/t$	$\mathcal{I}_{4\pi W_e} = (B/t) - 2\bar{\omega} \ln t $			1.81	42856	1347	2.41	41641	1853	
					1.82	42827	1356	2.42	41628	1861	
					1.83	42798	1364	2.43	41614	1870	
					1.84	42769	1373	2.44	41601	1878	
					+1.85	+42741	-1381	+2.45	+41588	-1886	
					1.86	42713	1390	2.46	41575	1895	
					1.87	42685	1398	2.47	41562	1903	
					1.88	42658	1407	2.48	41550	1911	
					1.89	42632	1415	2.49	41537	1920	
+1.00	+48307	-620	+1.30	+45251	-900	+1.90	+42605	-1424	+2.50	+41525	-1928
1.01	48167	630	1.31	45179	909	1.91	42579	1433	2.55	41465	1970
1.02	48031	639	1.32	45109	918	1.92	42554	1441	2.60	41409	2011
1.03	47898	649	1.33	45040	927	1.93	42529	1450	2.65	41355	2052
1.04	47768	658	1.34	44973	936	1.94	42504	1458	2.70	41304	2094
+1.05	+47641	-668	+1.35	+44907	-945	+1.95	+42479	-1467	+2.75	+41255	-2135
1.06	47518	677	1.36	44842	954	1.96	42455	1475	2.80	41209	2176
1.07	47397	687	1.37	44778	963	1.97	42432	1484	2.85	41165	2217
1.08	47279	696	1.38	44716	972	1.98	42408	1492	2.90	41123	2259
1.09	47163	706	1.39	44655	980	1.99	42385	1501	2.95	41083	2300
+1.10	+47051	-715	+1.40	+44595	-989	+2.00	+42362	-1509	+3.00	+41045	-2341
1.11	46941	725	1.41	44536	998	2.01	42340	1517	3.05	41008	2382
1.12	46833	734	1.42	44478	1007	2.02	42317	1526	3.10	40973	2423
1.13	46728	743	1.43	44421	1016	2.03	42295	1534	3.15	40939	2464
1.14	46625	753	1.44	44365	1025	2.04	42274	1543	3.20	40907	2505
+1.15	+46525	-762	+1.45	+44310	-1034	+2.05	+42253	-1551	+3.25	+40876	-2546
1.16	46426	771	1.46	44257	1043	2.06	42232	1560	3.30	40846	2586
1.17	46330	781	1.47	44204	1052	2.07	42211	1568	3.35	40818	2627
1.18	46236	790	1.48	44152	1060	2.08	42190	1577	3.40	40790	2668
1.19	46144	799	1.49	44101	1069	2.09	42170	1585	3.45	40764	2709
+1.20	+46054	-808	+1.50	+44051	-1078	+2.10	+42150	-1594	+3.50	+40738	-2750
1.21	45966	818	1.51	44002	1087	2.11	42130	1602	3.55	40713	2790
1.22	45880	827	1.52	43954	1096	2.12	42111	1610	3.60	40689	2831
1.23	45795	836	1.53	43907	1104	2.13	42092	1619	3.65	40666	2872
1.24	45713	845	1.54	43860	1113	2.14	42073	1627	3.70	40644	2912
+1.25	+45632	-854	+1.55	+43814	-1122	+2.15	+42054	-1636	+3.75	+40622	-2953
1.26	45552	863	1.56	43769	1131	2.16	42036	1644	3.80	40601	2993
1.27	45475	872	1.57	43725	1139	2.17	42017	1652	3.85	40581	3034
1.28	45399	881	1.58	43682	1148	2.18	42000	1661	3.90	40561	3075
1.29	45324	891	1.59	43639	1157	2.19	41982	1669	3.95	40542	3115
+1.30	+45251	-900	+1.60	+43597	-1166	+2.20	+41964	-1678	+4.00	+40523	-3156

$4\pi W \times 10^4$ $\bar{\omega} = 0.02$ $n = 0$

t	R	I	t	R	I	t	R	I	t	R	I
+4.00	+40523	-3156	+7.25	+39808	-5763	+37.5	+29305	-27293	+70.0	+6807	-39461
4.05	40505	3196	7.30	39799	5803	38.0	29031	27585	70.5	6412	39527
4.10	40488	3237	7.35	39791	5843	38.5	28753	27874	71.0	6017	39589
4.15	40471	3277	7.40	39783	5882	39.0	28473	28160	71.5	5620	39647
4.20	40454	3318	7.45	39774	5922	39.5	28190	28443	72.0	5224	39701
+4.25	+40438	-3358	+7.5	+39766	-5962	+40.0	+27904	-28724	+72.5	+4826	-39752
4.30	40422	3399	8.0	39683	6360	40.5	27615	29001	73.0	4429	39798
4.35	40406	3439	8.5	39599	6756	41.0	27323	29276	73.5	4030	39840
4.40	40391	3479	9.0	39515	7152	41.5	27029	29548	74.0	3632	39878
4.45	40377	3520	9.5	39429	7546	42.0	26732	29817	74.5	3233	39913
+4.50	+40362	-3560	+10.0	+39341	-7940	+42.5	+26432	-30082	+75.0	+2834	-39943
4.55	40348	3600	10.5	39250	8333	43.0	26130	30345	75.5	2434	39970
4.60	40334	3641	11.0	39157	8725	43.5	25825	30605	76.0	2034	39992
4.65	40321	3681	11.5	39061	9116	44.0	25518	30862	76.5	1634	40010
4.70	40307	3721	12.0	38961	9506	44.5	25208	31115	77.0	1234	40024
+4.75	+40294	-3762	+12.5	+38859	-9896	+45.0	+24895	-31366	+77.5	+834	-40035
4.80	40282	3802	13.0	38753	10284	45.5	24580	31613	78.0	433	40041
4.85	40269	3842	13.5	38644	10671	46.0	24263	31857	78.5	33	40043
4.90	40257	3883	14.0	38532	11056	46.5	23943	32098	79.0	368	40042
4.95	40245	3923	14.5	38416	11441	47.0	23621	32336	79.5	768	40036
+5.00	+40233	-3963	+15.0	+38296	-11825	+47.5	+23296	-32571	+80.0	-1169	-40027
5.05	40221	4003	15.5	38173	12207	48.0	22969	32802	80.5	1569	40013
5.10	40210	4043	16.0	38047	12588	48.5	22640	33030	81.0	1969	39995
5.15	40198	4084	16.5	37917	12968	49.0	22308	33255	81.5	2369	39973
5.20	40187	4124	17.0	37783	13346	49.5	21975	33476	82.0	2768	39948
+5.25	+40176	-4164	+17.5	+37646	-13724	+50.0	+21639	-33695	+82.5	-3168	-39918
5.30	40165	4204	18.0	37505	14099	50.5	21300	33909	83.0	3567	39884
5.35	40154	4244	18.5	37360	14474	51.0	20960	34120	83.5	3965	39847
5.40	40144	4285	19.0	37212	14847	51.5	20618	34328	84.0	4364	39805
5.45	40133	4325	19.5	37060	15218	52.0	20273	34533	84.5	4761	39759
+5.50	+40123	-4365	+20.0	+36905	-15588	+52.5	+19927	-34734	+85.0	-5159	-39710
5.55	40113	4405	20.5	36746	15956	53.0	19579	34931	85.5	5556	39656
5.60	40103	4445	21.0	36584	16323	53.5	19228	35125	86.0	5952	39599
5.65	40093	4485	21.5	36417	16688	54.0	18876	35316	86.5	6348	39537
5.70	40083	4525	22.0	36248	17051	54.5	18522	35503	87.0	6743	39472
+5.75	+40073	-4565	+22.5	+36075	-17413	+55.0	+18166	-35686	+87.5	-7137	-39402
5.80	40063	4605	23.0	35898	17773	55.5	17808	35866	88.0	7531	39329
5.85	40054	4645	23.5	35717	18131	56.0	17448	36043	88.5	7924	39252
5.90	40044	4685	24.0	35534	18487	56.5	17087	36215	89.0	8316	39170
5.95	40035	4725	24.5	35346	18841	57.0	16724	36384	89.5	8707	39085
+6.00	+40025	-4766	+25.0	+35155	-19194	+57.5	+16359	-36550	+90.0	-9098	-38996
6.05	40016	4806	25.5	34961	19544	58.0	15993	36711	90.5	9487	38903
6.10	40007	4846	26.0	34763	19893	58.5	15625	36870	91.0	9876	38807
6.15	39998	4886	26.5	34562	20239	59.0	15256	37024	91.5	10263	38706
6.20	39989	4926	27.0	34357	20584	59.5	14885	37175	92.0	10650	38601
+6.25	+39980	-4966	+27.5	+34149	-20927	+60.0	+14512	-37322	+92.5	-11035	-38493
6.30	39971	5005	28.0	33938	21267	60.5	14138	37465	93.0	11420	38381
6.35	39962	5045	28.5	33723	21605	61.0	13763	37604	93.5	11803	38265
6.40	39953	5085	29.0	33505	21941	61.5	13386	37740	94.0	12185	38145
6.45	39944	5125	29.5	33283	22275	62.0	13008	37872	94.5	12566	38021
+6.50	+39935	-5165	+30.0	+33059	-22607	+62.5	+12628	-38000	+95.0	-12945	-37893
6.55	39926	5205	30.5	32831	22937	63.0	12248	38125	95.5	13324	37762
6.60	39918	5245	31.0	32599	23264	63.5	11866	38245	96.0	13701	37627
6.65	39909	5285	31.5	32365	23589	64.0	11483	38362	96.5	14076	37488
6.70	39901	5325	32.0	32127	23911	64.5	11099	38475	97.0	14450	37345
+6.75	+39892	-5364	+32.5	+31886	-24231	+65.0	+10713	-38584	+97.5	-14823	-37199
6.80	39883	5404	33.0	31642	24549	65.5	10327	38689	98.0	15194	37049
6.85	39875	5444	33.5	31394	24864	66.0	9939	38790	98.5	15564	36895
6.90	39866	5484	34.0	31144	25177	66.5	9551	38888	99.0	15932	36738
6.95	39858	5524	34.5	30890	25487	67.0	9161	38981	99.5	16299	36576
+7.00	+39849	-5564	+35.0	+30634	-25795	+67.5	+8771	-39071	+100.0	-16664	-36412
7.05	39841	5604	35.5	30374	26100	68.0	8380	39157			
7.10	39832	5644	36.0	30111	26402	68.5	7988	39239			
7.15	39824	5683	36.5	29845	26702	69.0	7595	39317			
7.20	39816	5723	37.0	29577	26999	69.5	7202	39391			
+7.25	+39808	-5763	+37.5	+29305	-27293	+70.0	+6807	-39461			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.02$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.0	-185	+23	-1.75	-1754	+85	+1.25	-10783	+439
95	-1	0	6.9	191	23	1.70	1815	87	1.30	10876	450
90	1	+1	6.8	196	24	1.65	1879	89	1.35	10964	461
85	1	1	6.7	202	24	1.60	1947	91	1.40	11049	472
80	1	1	6.6	208	25	1.55	2017	93	1.45	11129	483
-75	-1	+1	-6.5	-214	+25	-1.50	-2091	+95	+1.50	-11206	+494
70	1	1	6.4	220	26	1.45	2168	97	1.55	11279	505
65	1	1	6.3	227	26	1.40	2249	99	1.60	11349	516
60	2	1	6.2	234	26	1.35	2333	101	1.65	11416	528
55	2	1	6.1	241	27	1.30	2422	104	1.70	11480	539
-50	-3	+2	-6.0	-249	+27	-1.25	-2515	+106	+1.75	-11540	+551
45	3	2	5.9	257	28	1.20	2613	109	1.80	11599	562
40	5	2	5.8	265	28	1.15	2715	112	1.85	11654	574
35	6	3	5.7	274	29	1.10	2823	114	1.90	11707	586
30	9	3	5.6	283	30	1.05	2935	117	1.95	11758	597
-25	-13	+5	-5.5	-293	+30	-1.00	-3053	+120	+2.00	-11807	+609
24	15	5	5.4	303	31	0.95	3177	123	2.05	11853	621
23	16	5	5.3	313	31	0.90	3306	127	2.10	11897	633
22	18	6	5.2	324	32	0.85	3441	130	2.15	11940	645
21	19	6	5.1	336	33	0.80	3583	133	2.20	11981	657
-20	-22	+6	-5.0	-349	+33	-0.75	-3731	+137	+2.25	-12020	+669
19	24	7	4.9	362	34	0.70	3885	141	2.30	12057	681
18	27	7	4.8	375	35	0.65	4046	145	2.35	12093	693
17	31	8	4.7	390	36	0.60	4214	149	2.40	12128	705
16	35	8	4.6	405	36	0.55	4388	153	2.45	12161	717
-15	-40	+9	-4.5	-421	+37	-0.50	-4568	+158	+2.5	-12192	+729
14	46	10	4.4	438	38	0.45	4755	162	2.6	12252	754
13	54	11	4.3	456	39	0.40	4948	167	2.7	12307	778
12	63	12	4.2	475	40	0.35	5147	172	2.8	12357	803
11	76	14	4.1	496	41	0.30	5351	178	2.9	12404	828
-10.0	-92	+15	-4.0	-517	+42	-0.25	-5560	+183	+3.0	-12448	+853
9.9	94	15	3.9	540	43	0.20	5773	189	3.1	12488	878
9.8	95	16	3.8	565	44	0.15	5989	195	3.2	12525	903
9.7	97	16	3.7	591	45	0.10	6208	201	3.3	12560	928
9.6	99	16	3.6	619	46	-0.05	6429	207	3.4	12592	953
-9.5	-102	+16	-3.5	-648	+48	0.00	-6651	+214	+3.5	-12622	+978
9.4	104	16	3.4	680	49	+0.05	6873	220	3.6	12649	1003
9.3	106	17	3.3	714	50	0.10	7094	227	3.7	12675	1029
9.2	108	17	3.2	750	52	0.15	7313	235	3.8	12699	1054
9.1	111	17	3.1	789	53	0.20	7530	242	3.9	12721	1079
-9.0	-113	+17	-3.0	-831	+55	+0.25	-7743	+250	+4.0	-12742	+1105
8.9	116	17	2.9	876	57	0.30	7951	258	4.1	12762	1130
8.8	118	18	2.8	924	58	0.35	8155	266	4.2	12780	1156
8.7	121	18	2.7	976	60	0.40	8354	274	4.3	12797	1181
8.6	124	18	2.6	1033	62	0.45	8547	282	4.4	12813	1207
-8.5	-127	+18	-2.50	-1094	+65	+0.50	-8733	+291	+4.5	-12827	+1233
8.4	130	19	2.45	1126	66	0.55	8914	300	4.6	12841	1258
8.3	133	19	2.40	1160	67	0.60	9088	309	4.7	12854	1284
8.2	136	19	2.35	1195	68	0.65	9255	318	4.8	12866	1310
8.1	140	20	2.30	1231	69	0.70	9416	327	4.9	12877	1336
-8.0	-143	+20	-2.25	-1269	+70	+0.75	-9570	+337	+5.0	-12887	+1361
7.9	147	20	2.20	1309	72	0.80	9718	346	5.1	12897	1387
7.8	150	20	2.15	1350	73	0.85	9859	356	5.2	12906	1413
7.7	154	21	2.10	1393	74	0.90	9994	366	5.3	12914	1439
7.6	158	21	2.05	1438	76	0.95	10123	376	5.4	12922	1465
-7.5	-162	+21	-2.00	-1485	+77	+1.00	-10247	+386	+5.5	-12929	+1491
7.4	166	22	1.95	1534	79	1.05	10364	396	5.6	12936	1516
7.3	171	22	1.90	1586	80	1.10	10476	407	5.7	12942	1542
7.2	176	22	1.85	1639	82	1.15	10583	417	5.8	12948	1568
7.1	180	23	1.80	1695	84	1.20	10685	428	5.9	12953	1594
-7.0	-185	+23	-1.75	-1754	+85	+1.25	-10783	+439	+6.0	-12958	+1620

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.02$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 6.0	-12958	+1620	+20.0	-12231	+ 5186	+ 50	-7185	+11195
6.1	12962	1646	20.5	12179	5309	51	6959	11336
6.2	12966	1672	21.0	12127	5430	52	6731	11473
6.3	12970	1698	21.5	12073	5551	53	6501	11606
6.4	12973	1724	22.0	12018	5671	54	6268	11733
+ 6.5	-12976	+1750	+22.5	-11961	+ 5791	+ 55	-6032	+11856
6.6	12979	1775	23.0	11904	5911	56	5794	11975
6.7	12981	1801	23.5	11845	6029	57	5553	12088
6.8	12983	1827	24.0	11785	6148	58	5310	12197
6.9	12985	1853	24.5	11723	6265	59	5065	12300
+ 7.0	-12987	+1879	+25.0	-11661	+ 6382	+ 60	-4819	+12399
7.1	12988	1905	25.5	11597	6498	61	4570	12493
7.2	12989	1931	26.0	11532	6614	62	4319	12582
7.3	12990	1957	26.5	11466	6729	63	4067	12666
7.4	12990	1983	27.0	11398	6843	64	3813	12745
+ 7.5	-12991	+2009	+27.5	-11330	+ 6957	+ 65	-3557	+12819
7.6	12991	2035	28.0	11260	7070	66	3300	12887
7.7	12991	2061	28.5	11189	7182	67	3042	12950
7.8	12990	2087	29.0	11117	7294	68	2782	13009
7.9	12990	2113	29.5	11044	7404	69	2521	13062
+ 8.0	-12989	+2139	+30.0	-10970	+ 7515	+ 70	-2260	+13110
8.1	12988	2165	30.5	10895	7624	71	1997	13152
8.2	12988	2191	31.0	10818	7732	72	1734	13189
8.3	12986	2217	31.5	10741	7840	73	1470	13221
8.4	12985	2243	32.0	10662	7947	74	1205	13248
+ 8.5	-12984	+2269	+32.5	-10582	+ 8053	+ 75	- 940	+13270
8.6	12982	2295	33.0	10502	8159	76	675	13286
8.7	12980	2321	33.5	10420	8263	77	409	13297
8.8	12978	2347	34.0	10337	8367	78	- 143	13302
8.9	12976	2373	34.5	10253	8470	79	+ 123	13302
+ 9.0	-12974	+2399	+35.0	-10168	+ 8572	+ 80	+ 389	+13297
9.1	12972	2425	35.5	10082	8674	81	655	13287
9.2	12969	2451	36.0	9995	8774	82	921	13271
9.3	12967	2477	36.5	9907	8873	83	1186	13250
9.4	12964	2503	37.0	9818	8972	84	1450	13224
+ 9.5	-12961	+2529	+37.5	- 9728	+ 9070	+ 85	+1715	+13192
9.6	12958	2554	38.0	9637	9167	86	1978	13155
9.7	12955	2580	38.5	9545	9263	87	2241	13113
9.8	12952	2606	39.0	9452	9358	88	2502	13065
9.9	12949	2632	39.5	9358	9452	89	2763	13013
+10.0	-12945	+2658	+40.0	- 9263	+ 9545	+ 90	+3023	+12955
10.5	12927	2787	40.5	9168	9637	91	3281	12892
11.0	12906	2917	41.0	9071	9728	92	3538	12824
11.5	12883	3046	41.5	8973	9818	93	3794	12750
12.0	12858	3174	42.0	8875	9907	94	4048	12672
+12.5	-12831	+3303	+42.5	- 8775	+ 9996	+ 95	+4301	+12588
13.0	12802	3431	43.0	8675	10083	96	4552	12500
13.5	12771	3559	43.5	8574	10169	97	4801	12406
14.0	12738	3686	44.0	8472	10254	98	5048	12308
14.5	12704	3813	44.5	8369	10339	99	5293	12204
+15.0	-12668	+3940	+45.0	- 8266	+10422	+100	+5536	+12096
15.5	12631	4067	45.5	8161	10504			
16.0	12592	4193	46.0	8056	10585			
16.5	12552	4319	46.5	7949	10665			
17.0	12510	4444	47.0	7842	10744			
+17.5	-12467	+4569	+47.5	- 7735	+10822			
18.0	12423	4693	48.0	7626	10899			
18.5	12377	4817	48.5	7517	10974			
19.0	12329	4941	49.0	7407	11049			
19.5	12281	5064	49.5	7296	11123			
+20.0	-12231	+5186	+50.0	- 7185	+11195			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.02$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}						
-100	-	1	0	-4.0	-	360	+	36	+ 8.0	-2482	+	440	+ 60	-	955	+	2463
95		1	0	3.8		384		38	8.2	2485		450	61		906		2482
90		1	+ 1	3.6		409		39	8.4	2489		460	62		856		2499
85		1	1	3.4		436		41	8.6	2492		470	63		806		2516
80		1	1	3.2		466		43	8.8	2494		480	64		756		2531
- 75	-	1	+ 1	-3.0	-	498	+	45	+ 9.0	-2497	+	490	+ 65	-	705	+	2546
70		1	1	2.8		533		47	9.2	2499		499	66		654		2560
65		1	1	2.6		570		49	9.4	2501		509	67		603		2572
60		2	1	2.4		610		51	9.6	2502		519	68		552		2584
55		2	1	2.2		653		54	9.8	2503		529	69		500		2594
- 50	-	3	+ 2	-2.0	-	700	+	57	+10	-2505	+	540	+ 70	-	448	+	2604
45		3	2	1.8		749		59	11	2507		590	71		396		2612
40		5	2	1.6		802		63	12	2506		640	72		344		2620
35		6	3	1.4		858		66	13	2502		690	73		291		2626
30		9	4	1.2		917		69	14	2495		740	74		239		2631
- 25	-	13	+ 5	-1.0	-	980	+	73	+15	-2485	+	790	+ 75	-	186	+	2636
24		14	5	0.8		1044		77	16	2474		839	76		133		2639
23		16	5	0.6		1111		82	17	2461		889	77		80		2641
22		17	5	0.4		1180		86	18	2446		938	78	-	28		2642
21		19	6	-0.2		1250		91	19	2430		986	79	+	25		2642
- 20	-	21	+ 6	0.0	-	1321	+	96	+20	-2412	+	1035	+ 80	+	78	+	2641
19		24	7	+0.2		1391		102	21	2393		1083	81		131		2639
18		26	7	0.4		1461		107	22	2373		1131	82		184		2636
17		30	8	0.6		1530		113	23	2351		1178	83		236		2632
16		34	8	0.8		1597		119	24	2329		1225	84		289		2626
- 15	-	38	+ 9	+1.0	-	1661	+	126	+25	-2305	+	1271	+ 85	+	341	+	2620
14		44	10	1.2		1723		133	26	2280		1317	86		393		2613
13		51	11	1.4		1782		140	27	2255		1362	87		445		2604
12		60	12	1.6		1838		147	28	2228		1407	88		497		2595
11		70	13	1.8		1891		154	29	2200		1451	89		549		2584
- 10.0	-	84	+15	+2.0	-	1940	+	162	+30	-2171	+	1495	+ 90	+	601	+	2573
9.8		87	15	2.2		1986		170	31	2142		1538	91		652		2560
9.6		91	15	2.4		2028		178	32	2111		1581	92		703		2547
9.4		94	16	2.6		2068		186	33	2080		1622	93		754		2532
9.2		98	16	2.8		2105		195	34	2047		1664	94		804		2517
- 9.0	-	102	+17	+3.0	-	2139	+	203	+35	-2014	+	1704	+ 95	+	855	+	2500
8.8		106	17	3.2		2170		212	36	1980		1744	96		904		2482
8.6		111	17	3.4		2199		220	37	1945		1784	97		954		2464
8.4		116	18	3.6		2226		229	38	1910		1822	98		1003		2444
8.2		121	18	3.8		2250		238	39	1873		1860	99		1051		2424
- 8.0	-	126	+19	+4.0	-	2273	+	247	+40	-1836	+	1897	+100	+	1100	+	2402
7.8		132	19	4.2		2293		256	41	1798		1934					
7.6		138	20	4.4		2313		266	42	1759		1969					
7.4		144	21	4.6		2330		275	43	1720		2004					
7.2		151	21	4.8		2346		284	44	1679		2038					
- 7.0	-	158	+22	+5.0	-	2361	+	294	+45	-1639	+	2071					
6.8		166	22	5.2		2375		303	46	1597		2104					
6.6		175	23	5.4		2387		313	47	1555		2135					
6.4		183	24	5.6		2399		322	48	1512		2166					
6.2		193	25	5.8		2409		332	49	1469		2195					
- 6.0	-	203	+25	+6.0	-	2419	+	342	+50	-1425	+	2224					
5.8		214	26	6.2		2428		351	51	1380		2252					
5.6		226	27	6.4		2436		361	52	1335		2279					
5.4		239	28	6.6		2444		371	53	1289		2306					
5.2		253	29	6.8		2451		380	54	1243		2331					
- 5.0	-	267	+30	+7.0	-	2457	+	390	+55	-1196	+	2355					
4.8		283	31	7.2		2463		400	56	1149		2379					
4.6		300	32	7.4		2468		410	57	1101		2401					
4.4		319	33	7.6		2473		420	58	1053		2423					
4.2		339	35	7.8		2478		430	59	1004		2443					
- 4.0	-	360	+36	+8.0	-	2482	+	440	+60	- 955	+	2463					

$4\pi W_e \times 10^4$

$n = 6$			$n = 6$			$n = 6$			$n = 8$			$n = 8$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0.0	-560	+61	+40	-777	+806	-100	0	0	+10	-539	+135
95	-1	+1	+0.5	609	67	41	761	822	95	-1	+1	11	545	146
90	1	1	1.0	656	74	42	744	837	90	1	1	12	550	157
85	1	1	1.5	701	80	43	728	851	85	1	1	13	552	168
80	1	1	2.0	743	88	44	711	866	80	1	1	14	554	179
-75	-1	+1	+2.5	-781	+95	+45	-693	+880	-75	-1	+1	+15	-555	+190
70	1	1	3.0	816	103	46	676	894	70	1	1	16	555	201
65	1	1	3.5	848	111	47	658	907	65	1	1	17	554	212
60	2	1	4.0	876	120	48	640	920	60	2	1	18	552	224
55	2	1	4.5	900	129	49	622	932	55	2	1	19	550	235
-50	-3	+2	+5.0	-921	+138	+50	-603	+945	-50	-3	+2	+20	-548	+246
45	3	2	5.5	940	147	51	584	957	45	3	2	22	541	267
40	4	2	6.0	956	157	52	565	968	40	4	2	24	532	289
35	6	3	6.5	970	166	53	546	979	35	6	3	26	523	310
30	9	3	7.0	982	176	54	526	990	30	8	3	28	512	331
-25	-13	+4	+7.5	-992	+186	+55	-506	+1000	-25	-12	+4	+30	-500	+351
24	14	5	8.0	1001	196	56	486	1010	24	13	5	32	486	371
23	15	5	8.5	1008	206	57	466	1020	23	15	5	34	472	390
22	17	5	9.0	1015	216	58	446	1029	22	16	5	36	457	408
21	18	6	9.5	1020	226	59	425	1037	21	17	6	38	441	426
-20	-20	+6	+10	-1024	+237	+60	-405	+1046	-20	-19	+6	+40	-424	+444
19	22	7	11	1031	257	62	363	1061	19	21	6	42	407	460
18	25	7	12	1035	278	64	320	1075	18	24	7	44	389	476
17	28	8	13	1036	299	66	277	1087	17	26	7	46	370	491
16	32	8	14	1036	319	68	233	1097	16	29	8	48	350	506
-15	-36	+9	+15	-1035	+340	+70	-189	+1105	-15	-33	+8	+50	-330	+519
14	41	10	16	1032	361	72	145	1112	14	37	9	52	309	532
13	47	10	17	1029	381	74	101	1117	13	42	10	54	288	544
12	54	11	18	1024	402	76	56	1120	12	48	11	56	266	555
11	63	13	19	1019	422	78	-11	1122	11	55	12	58	244	565
-10.0	-74	+14	+20	-1012	+443	+80	+34	+1121	-10	-64	+13	+60	-221	+575
9.5	81	15	21	1005	463	82	78	1119	9	74	14	62	198	583
9.0	88	16	22	998	483	84	123	1115	8	86	16	64	175	590
8.5	96	17	23	989	503	86	167	1109	7	101	18	66	151	597
8.0	106	18	24	980	522	88	211	1101	6	119	20	68	128	602
-7.5	-116	+19	+25	-971	+542	+90	+255	+1092	-5	-141	+23	+70	-104	+607
7.0	128	20	26	961	561	92	299	1081	4	167	26	72	79	611
6.5	141	21	27	951	580	94	342	1068	3	197	29	74	55	613
6.0	157	23	28	940	599	96	384	1054	2	231	34	76	30	615
5.5	174	24	29	928	618	98	426	1037	-1	269	39	78	-6	616
-5.0	-194	+26	+30	-917	+636	+100	+467	+1020	0	-308	+44	+80	+19	+616
4.5	216	28	31	904	655				+1	347	51	82	43	614
4.0	242	31	32	892	672				2	384	58	84	68	612
3.5	270	33	33	879	690				3	417	66	86	92	609
3.0	303	36	34	865	708				4	447	75	88	116	605
-2.5	-338	+39	+35	-851	+725				+5	-471	+84	+90	+140	+600
2.0	377	43	36	837	742				6	492	94	92	164	594
1.5	420	47	37	822	758				7	508	104	94	188	587
1.0	465	51	38	807	775				8	521	114	96	211	579
0.5	512	56	39	792	791				9	532	125	98	234	570
0.0	-560	+61	+40	-777	+806				+10	-539	+135	+100	+257	+560

$$4\pi W_e \times 10^4$$

$n = 10$			$n = 10$			$n = 12$			$n = 12$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0	-193	+34	-100	0	0	0	-132	+28
95	-1	0	+1	213	39	95	-1	+1	+1	143	30
90	1	+1	2	232	43	90	1	1	2	154	33
85	1	1	3	249	48	85	1	1	3	164	37
80	1	1	4	265	53	80	1	1	4	173	40
-75	-1	+1	+5	-279	+58	-75	-1	+1	+5	-182	+44
70	1	1	6	292	64	70	1	1	6	190	47
65	1	1	7	302	70	65	1	1	7	197	51
60	2	1	8	311	76	60	2	1	8	203	55
55	2	1	9	319	82	55	2	1	9	208	59
-50	-3	+2	+10	-325	+89	-50	-3	+2	+10	-213	+64
45	3	2	11	329	95	45	3	2	11	216	68
40	4	2	12	333	102	40	4	2	12	219	72
35	6	3	13	336	109	35	6	3	13	222	77
30	8	3	14	338	115	30	8	3	14	223	81
-25	-12	+4	+15	-339	+122	-25	-11	+4	+15	-225	+85
24	13	5	16	340	129	24	12	4	16	226	90
23	14	5	17	340	136	23	13	5	17	226	94
22	15	5	18	340	143	22	14	5	18	226	99
21	16	5	19	339	149	21	15	5	19	226	104
-20	-18	+6	+20	-338	+156	-20	-17	+6	+20	-226	+108
19	20	6	21	336	163	19	18	6	21	225	113
18	22	7	22	334	170	18	20	6	22	224	117
17	24	7	23	332	176	17	22	7	23	223	121
16	27	8	24	330	183	16	24	7	24	222	126
-15	-30	+8	+25	-327	+189	-15	-27	+8	+25	-220	+130
14	33	9	30	311	221	14	30	8	30	210	152
13	37	9	35	290	251	13	33	9	35	196	172
12	42	10	40	265	279	12	37	10	40	179	191
11	47	11	45	237	304	11	41	10	45	161	208
-10	-54	+12	+50	-206	+326	-10	-45	+11	+50	-140	+223
9	61	13	55	173	345	9	51	12	55	117	236
8	70	15	60	138	361	8	57	13	60	94	246
7	80	16	65	102	373	7	64	14	65	69	255
6	91	18	70	65	381	6	71	16	70	44	260
-5	-105	+20	+75	-26	+386	-5	-80	+17	+75	-18	+263
4	120	22	80	+12	387	4	89	19	80	+9	264
3	136	25	85	50	383	3	99	21	85	35	262
2	154	27	90	88	377	2	110	23	90	60	257
-1	173	31	95	125	366	-1	121	25	95	86	250
0	-193	+34	+100	+161	+352	0	-132	+28	+100	+110	+240

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.02$$

$n = 14$			$n = 14$			$n = 16$			$n = 16$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0	-95	+23	-100	-1	0	0	-71	+20
95	-1	+1	+1	102	25	95	1	0	+1	76	21
90	1	1	2	108	27	90	1	+1	2	80	23
85	1	1	3	115	29	85	1	1	3	84	24
80	1	1	4	121	32	80	1	1	4	89	26
-75	-1	+1	+5	-127	+34	-75	-1	+1	+5	-92	+28
70	1	1	6	132	37	70	1	1	6	96	30
65	1	1	7	137	39	65	1	1	7	99	32
60	2	1	8	141	42	60	2	1	8	102	34
55	2	1	9	145	45	55	2	1	9	105	36
-50	-2	+2	+10	-148	+48	-50	-2	+1	+10	-107	+38
45	3	2	11	151	51	45	3	2	11	109	40
40	4	2	12	153	54	40	4	2	12	111	42
35	5	3	13	155	57	35	5	3	13	113	44
30	7	3	14	156	60	30	7	3	14	114	47
-25	-10	+4	+15	-158	+63	-25	-10	+4	+15	-115	+49
24	11	4	16	158	66	24	11	4	16	116	51
23	12	4	17	159	70	23	11	4	17	116	54
22	13	5	18	159	73	22	12	5	18	117	56
21	14	5	19	160	76	21	13	5	19	117	58
-20	-15	+5	+20	-159	+79	-20	-14	+5	+20	-117	+61
19	17	6	21	159	82	19	15	5	21	117	63
18	18	6	22	159	86	18	17	6	22	117	65
17	20	6	23	158	89	17	18	6	23	116	68
16	22	7	24	157	92	16	20	6	24	116	70
-15	-24	+7	+25	-156	+95	-15	-21	+7	+25	-115	+72
14	26	8	30	149	110	14	23	7	30	111	84
13	29	8	35	140	125	13	25	8	35	104	94
12	32	9	40	128	138	12	27	8	40	95	104
11	35	10	45	115	150	11	30	9	45	86	113
-10	-38	+10	+50	-100	+161	-10	-32	+10	+50	-75	+121
9	42	11	55	84	170	9	35	10	55	63	128
8	47	12	60	67	178	8	39	11	60	50	134
7	51	13	65	50	184	7	42	12	65	37	138
6	57	14	70	31	188	6	46	13	70	23	141
-5	-62	+15	+75	-13	+190	-5	-49	+14	+75	-9	+143
4	68	17	80	+6	190	4	54	15	80	+5	143
3	75	18	85	25	189	3	58	16	85	19	142
2	81	20	90	44	185	2	62	17	90	33	139
-1	88	21	95	62	180	-1	67	18	95	47	135
0	-95	+23	+100	+79	+173	0	-71	+20	+100	+60	+130

	$n = 18$		$n = 20$		$n = 22$		$n = 24$		$n = 26$		$n = 28$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	-1	0	0	0	0	0	0	0
90	-1	+1	-1	+1	1	0	-1	+1	-1	+1	-1	0
85	1	1	1	1	1	0	1	1	1	1	1	0
80	1	1	1	1	1	+1	1	1	1	1	1	+1
-75	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
70	1	1	1	1	1	1	1	1	1	1	1	1
65	1	1	1	1	1	1	1	1	1	1	1	1
60	2	1	2	1	2	1	1	1	1	1	1	1
55	2	1	2	1	2	1	2	1	2	1	2	1
-50	-2	+1	-2	+1	-2	+1	-2	+1	-2	+1	-2	+1
45	3	2	3	2	3	2	3	2	3	2	3	2
40	4	2	4	2	4	2	3	2	3	2	3	2
35	5	2	5	2	5	2	4	2	4	2	4	2
30	7	3	6	3	6	3	6	3	5	3	5	3
-25	-9	+4	-9	+4	-8	+4	-7	+3	-7	+3	-6	+3
20	13	5	12	5	11	4	10	4	9	4	8	4
15	19	6	17	6	15	6	13	5	12	5	10	5
10	28	9	24	8	20	8	18	7	15	6	13	6
-5	40	12	33	11	27	10	23	9	20	8	17	8
0	-55	+17	-44	+15	-36	+13	-29	+12	-24	+10	-21	+9
5	70	23	54	20	43	17	35	15	29	13	24	12
10	81	31	62	25	49	22	40	19	32	16	27	14
15	87	39	67	32	53	27	43	23	35	19	29	17
20	89	48	69	39	55	32	44	27	36	23	30	20
+25	-88	+57	-68	+46	-54	+38	-44	+31	-36	+27	-30	+23
30	85	65	66	52	53	43	43	36	35	30	29	26
35	80	74	62	58	50	48	40	40	33	34	27	29
40	73	81	57	65	46	53	37	44	31	37	26	31
45	66	88	52	70	41	57	34	47	28	40	23	34
+50	-57	+94	-45	+75	-36	+61	-29	+50	-24	+42	-20	+36
55	48	100	38	79	30	64	25	53	20	44	17	38
60	39	104	30	83	24	67	20	55	16	46	13	39
65	28	107	22	85	18	69	14	57	12	48	10	40
70	18	110	14	87	11	71	9	58	7	49	6	41
+75	-7	+111	-5	+88	-4	+71	-3	+59	-3	+49	-2	+42
80	+4	111	+3	88	+3	71	+2	59	+2	49	+2	42
85	15	110	12	87	10	71	8	58	7	49	6	41
90	26	108	20	86	17	70	14	57	12	48	10	40
95	36	105	29	83	23	68	19	56	16	46	14	39
+100	+46	+101	+37	+80	+30	+65	+25	+53	+21	+45	+17	+38
	$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
90	-1	+1	-1	+1	-1	0	-1	0	-1	+1	-1	0
80	1	1	1	1	1	+1	1	+1	1	1	-1	+1
70	1	1	1	1	1	1	1	1	1	1	1	1
60	1	1	1	1	1	1	1	1	1	1	1	1
-50	-2	+1	-2	+1	-2	+1	-2	+1	-2	+1	-2	+1
40	3	2	3	2	3	2	3	2	2	2	2	2
30	5	3	4	2	4	2	4	2	3	2	3	2
20	7	4	7	3	6	3	6	3	5	3	5	3
-10	12	6	10	5	9	5	8	5	7	4	7	4
0	-17	+8	-15	+8	-13	+7	-11	+6	-10	+6	-9	+5
+10	22	12	19	11	16	10	14	9	12	8	10	7
20	25	17	21	15	18	13	15	12	13	11	11	10
30	24	22	20	19	17	17	15	15	13	13	11	12
40	21	27	18	23	15	20	13	18	11	16	10	14
+50	-17	+31	-14	+26	-12	+23	-10	+20	-9	+18	-8	+16
60	11	33	10	29	8	25	7	22	6	19	5	17
70	-5	35	-4	30	-4	26	-3	23	-3	20	-2	18
80	+2	35	+2	30	+1	26	+1	23	+1	20	+1	18
90	8	34	7	30	6	26	6	22	5	20	4	17
+100	+15	+32	+13	+28	+11	+24	+10	+21	+9	+18	+8	+16

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.03$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-192	+33	-4.00	-600	+63	-2.20	-1949	+122
95	0	0	6.95	195	33	3.95	616	64	2.19	1966	122
90	0	+1	6.90	198	33	3.90	631	65	2.18	1984	123
85	-1	1	6.85	201	34	3.85	648	66	2.17	2001	124
80	1	1	6.80	204	34	3.80	665	67	2.16	2019	124
-75	-1	+1	-6.75	-207	+34	-3.75	-683	+68	-2.15	-2037	+125
70	1	1	6.70	210	34	3.70	702	69	2.14	2056	125
65	1	1	6.65	213	35	3.65	721	70	2.13	2074	126
60	1	1	6.60	216	35	3.60	741	71	2.12	2093	127
55	2	2	6.55	220	35	3.55	762	72	2.11	2112	127
-50	-2	+2	-6.50	-223	+36	-3.50	-784	+74	-2.10	-2131	+128
45	3	2	6.45	227	36	3.45	807	75	2.09	2151	129
40	4	2	6.40	231	36	3.40	830	76	2.08	2171	129
35	5	3	6.35	234	37	3.35	855	77	2.07	2191	130
30	8	4	6.30	238	37	3.30	881	79	2.06	2211	131
-25.0	-12	+6	-6.25	-242	+38	-3.25	-908	+80	-2.05	-2232	+131
24.5	12	6	6.20	246	38	3.20	937	81	2.04	2253	132
24.0	13	6	6.15	250	38	3.15	966	83	2.03	2274	133
23.5	14	6	6.10	255	39	3.10	997	84	2.02	2296	133
23.0	14	6	6.05	259	39	3.05	1030	86	2.01	2318	134
-22.5	-15	+6	-6.00	-264	+40	-3.00	-1064	+87	-2.00	-2340	+135
22.0	16	7	5.95	268	40	2.95	1100	89	1.99	2362	135
21.5	17	7	5.90	273	40	2.90	1138	91	1.98	2385	136
21.0	18	7	5.85	278	41	2.85	1177	92	1.97	2408	137
20.5	19	8	5.80	282	41	2.80	1219	94	1.96	2432	138
-20.0	-20	+8	-5.75	-288	+42	-2.75	-1263	+96	-1.95	-2455	+138
19.5	21	8	5.70	293	42	2.70	1309	98	1.94	2480	139
19.0	22	9	5.65	298	42	2.65	1358	100	1.93	2504	140
18.5	24	9	5.60	303	43	2.60	1409	102	1.92	2529	141
18.0	25	9	5.55	309	43	2.55	1464	104	1.91	2554	141
-17.5	-27	+9	-5.50	-315	+44	-2.50	-1522	+106	-1.90	-2580	+142
17.0	29	10	5.45	321	44	2.49	1534	107	1.89	2606	143
16.5	30	10	5.40	327	45	2.48	1546	107	1.88	2632	144
16.0	33	11	5.35	333	45	2.47	1558	108	1.87	2659	144
15.5	35	11	5.30	340	46	2.46	1570	108	1.86	2686	145
-15.0	-38	+12	-5.25	-346	+46	-2.45	-1583	+109	-1.85	-2713	+146
14.5	41	12	5.20	353	47	2.44	1595	109	1.84	2741	147
14.0	44	13	5.15	360	47	2.43	1608	110	1.83	2770	148
13.5	48	14	5.10	367	48	2.42	1621	110	1.82	2799	149
13.0	52	15	5.05	375	48	2.41	1634	111	1.81	2828	149
-12.5	-56	+15	-5.00	-382	+49	-2.40	-1647	+111	-1.80	-2858	+150
12.0	62	16	4.95	390	50	2.39	1661	112	1.79	2888	151
11.5	67	17	4.90	398	50	2.38	1674	112	1.78	2918	152
11.0	74	18	4.85	407	51	2.37	1688	113	1.77	2949	153
10.5	82	19	4.80	415	51	2.36	1702	113	1.76	2981	154
-10.0	-91	+21	-4.75	-424	+52	-2.35	-1716	+114	-1.75	-3013	+155
9.5	101	22	4.70	434	53	2.34	1730	114	1.74	3046	156
9.0	113	24	4.65	443	53	2.33	1745	115	1.73	3079	156
8.5	128	25	4.60	453	54	2.32	1759	115	1.72	3113	157
8.0	145	28	4.55	463	55	2.31	1774	116	1.71	3147	158
-7.50	-166	+30	-4.50	-473	+55	-2.30	-1789	+116	-1.70	-3182	+159
7.45	168	30	4.45	484	56	2.29	1804	117	1.69	3217	160
7.40	171	30	4.40	495	57	2.28	1819	117	1.68	3253	161
7.35	173	31	4.35	507	57	2.27	1835	118	1.67	3289	162
7.30	176	31	4.30	519	58	2.26	1851	118	1.66	3326	163
-7.25	-178	+31	-4.25	-531	+59	-2.25	-1866	+119	-1.65	-3364	+164
7.20	181	31	4.20	544	60	2.24	1883	120	1.64	3402	165
7.15	183	32	4.15	557	61	2.23	1899	120	1.63	3441	166
7.10	186	32	4.10	571	62	2.22	1915	121	1.62	3481	167
7.05	189	32	4.05	585	62	2.21	1932	121	1.61	3521	168
-7.00	-192	+33	-4.00	-600	+63	-2.20	-1949	+122	-1.60	-3562	+169

$$\bar{\omega} = 0.03$$

$$n = 0$$

Auxiliary Table

$4\pi W_e \times 10^4$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.0	+0.82578	+708	-0.02673	-51	+1.00	+48332	-935	+1.60	+43608	-1754
0.9	0.88827	820	0.02080	59	1.01	48192	950	1.61	43567	1767
0.8	0.95899	952	0.01545	60	1.02	48056	964	1.62	43526	1780
0.7	1.03926	1101	0.01071	67	1.03	47922	979	1.63	43486	1793
0.6	1.13056	1260	0.00664	73	1.04	47792	993	1.64	43446	1807
-0.5	+1.23448	+1433	-0.00330	-79	+1.05	+47665	-1007	+1.65	+43407	-1820
0.4	1.35273	1606	-0.00075	87	1.06	47541	1022	1.66	43369	1833
0.3	1.48701	1762	+0.00093	92	1.07	47420	1036	1.67	43331	1846
0.2	1.63886	1894	0.00168	103	1.08	47302	1050	1.68	43294	1859
-0.1	1.80957	1982	+0.00140	112	1.09	47187	1064	1.69	43258	1872
0.0	+2.00000	+2019	0.00000	-120	+1.10	+47074	-1078	+1.70	+43222	-1885
+0.1	2.21049	1981	-0.00260	129	1.11	46964	1093	1.71	43186	1897
0.2	2.44069	1890	0.00649	138	1.12	46856	1107	1.72	43151	1910
0.3	2.68972	1762	0.01176	146	1.13	46751	1121	1.73	43117	1923
0.4	2.95631	1599	0.01849	156	1.14	46648	1135	1.74	43083	1936
+0.5	+3.23887	+1427	-0.02677	-161	+1.15	+46547	-1149	+1.75	+43050	-1949
0.6	3.53570	1256	0.03666	167	1.16	46448	1163	1.76	43017	1962
0.7	3.84510	1093	0.04822	174	1.17	46352	1177	1.77	42985	1975
0.8	4.16545	941	0.06152	179	1.18	46258	1190	1.78	42953	1988
0.9	4.49525	813	0.07601	183	1.19	46166	1204	1.79	42922	2001
+1.0	+4.83320	+695	-0.09353	-188	+1.20	+46075	-1218	+1.80	+42891	-2014
					1.21	45987	1232	1.81	42861	2027
					1.22	45901	1246	1.82	42831	2039
					1.23	45816	1259	1.83	42802	2052
					1.24	45733	1273	1.84	42773	2065
					+1.25	+45652	-1287	+1.85	+42744	-2078
					1.26	45572	1301	1.86	42716	2091
					1.27	45495	1314	1.87	42688	2104
					1.28	45418	1328	1.88	42660	2116
					1.29	45343	1341	1.89	42633	2129
					+1.30	+45270	-1355	+1.90	+42607	-2142
					1.31	45198	1369	1.91	42581	2155
					1.32	45128	1382	1.92	42555	2167
					1.33	45059	1396	1.93	42529	2180
					1.34	44991	1409	1.94	42504	2193
					+1.35	+44925	-1423	+1.95	+42479	-2206
					1.36	44860	1436	1.96	42455	2218
					1.37	44796	1450	1.97	42430	2231
					1.38	44733	1463	1.98	42407	2244
					1.39	44672	1476	1.99	42383	2257
					+1.40	+44611	-1490	+2.00	+42360	-2269
					1.41	44552	1503	2.01	42337	2282
					1.42	44494	1517	2.02	42314	2295
					1.43	44437	1530	2.03	42292	2307
					1.44	44381	1543	2.04	42270	2320
					+1.45	+44326	-1557	+2.05	+42248	-2333
					1.46	44272	1570	2.06	42227	2345
					1.47	44219	1583	2.07	42206	2358
					1.48	44167	1596	2.08	42185	2371
					1.49	44116	1610	2.09	42164	2383
					+1.50	+44065	-1623	+2.10	+42144	-2396
					1.51	44016	1636	2.11	42124	2409
					1.52	43968	1649	2.12	42104	2421
					1.53	43920	1662	2.13	42084	2434
					1.54	43873	1676	2.14	42065	2447
					+1.55	+43827	-1689	+2.15	+42046	-2459
					1.56	43782	1702	2.16	42027	2472
					1.57	43737	1715	2.17	42009	2484
					1.58	43694	1728	2.18	41990	2497
					1.59	43651	1741	2.19	41972	2510
					+1.60	+43608	-1754	+2.20	+41954	-2522

$$\mathcal{R}4\pi W_e = A/t \quad \mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln|t|$$

$4\pi W_e \times 10^4$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.60	-3562	+169	-1.30	-5208	+208
1.59	3604	170	1.29	5281	210
1.58	3646	172	1.28	5355	211
1.57	3690	173	1.27	5431	213
1.56	3733	174	1.26	5509	215
-1.55	-3778	+175	-1.25	-5588	+216
1.54	3824	176	1.24	5669	218
1.53	3870	177	1.23	5751	220
1.52	3917	178	1.22	5835	221
1.51	3965	180	1.21	5921	223
-1.50	-4014	+181	-1.20	-6009	+225
1.49	4064	182	1.19	6099	227
1.48	4114	183	1.18	6191	229
1.47	4166	184	1.17	6285	230
1.46	4218	186	1.16	6381	232
-1.45	-4272	+187	-1.15	-6479	+234
1.44	4326	188	1.14	6579	236
1.43	4382	190	1.13	6681	238
1.42	4438	191	1.12	6786	240
1.41	4496	192	1.11	6894	242
-1.40	-4554	+194	-1.10	-7004	+244
1.39	4614	195	1.09	7116	247
1.38	4675	196	1.08	7231	249
1.37	4737	198	1.07	7349	251
1.36	4801	199	1.06	7469	253
-1.35	-4865	+201	-1.05	-7593	+255
1.34	4931	202	1.04	7720	258
1.33	4998	204	1.03	7849	260
1.32	5067	205	1.02	7982	262
1.31	5137	207	1.01	8118	265
-1.30	-5208	+208	-1.00	-8258	+267

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.03$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+2.20	+41954	-2522	+3.75	+40522	-4433	+11.0	+38003	-12973	+22.0	+31688	-24575
2.21	41936	2535	3.80	40497	4494	11.2	37922	13201	22.2	31540	24764
2.22	41919	2547	3.85	40473	4554	11.4	37839	13428	22.4	31390	24953
2.23	41901	2560	3.90	40450	4615	11.6	37755	13655	22.6	31240	25141
2.24	41884	2573	3.95	40427	4676	11.8	37670	13881	22.8	31088	25328
+2.25	+41867	-2585	+4.00	+40404	-4736	+12.0	+37584	-14107	+23.0	+30935	-25514
2.26	41851	2598	4.05	40382	4797	12.2	37496	14332	23.2	30781	25699
2.27	41834	2610	4.10	40360	4857	12.4	37407	14557	23.4	30626	25883
2.28	41818	2623	4.15	40339	4918	12.6	37317	14781	23.6	30470	26067
2.29	41802	2635	4.20	40318	4978	12.8	37226	15005	23.8	30313	26249
+2.30	+41786	-2648	+4.25	+40298	-5039	+13.0	+37133	-15228	+24.0	+30155	-26430
2.31	41770	2660	4.30	40278	5099	13.2	37039	15451	24.2	29995	26611
2.32	41754	2673	4.35	40258	5160	13.4	36944	15672	24.4	29835	26790
2.33	41739	2685	4.40	40239	5220	13.6	36848	15894	24.6	29673	26969
2.34	41724	2698	4.45	40220	5280	13.8	36751	16115	24.8	29510	27146
+2.35	+41709	-2711	+4.50	+40201	-5341	+14.0	+36652	-16335	+25.0	+29347	-27323
2.36	41694	2723	4.55	40182	5401	14.2	36552	16555	25.2	29182	27498
2.37	41679	2736	4.60	40164	5461	14.4	36450	16774	25.4	29016	27673
2.38	41664	2748	4.65	40146	5521	14.6	36348	16992	25.6	28850	27847
2.39	41650	2761	4.70	40128	5582	14.8	36244	17210	25.8	28682	28019
+2.40	+41636	-2773	+4.75	+40110	-5642	+15.0	+36139	-17427	+26.0	+28513	-28191
2.41	41621	2785	4.80	40093	5702	15.2	36032	17643	26.2	28343	28361
2.42	41608	2798	4.85	40075	5762	15.4	35925	17859	26.4	28172	28531
2.43	41594	2810	4.90	40058	5822	15.6	35816	18075	26.6	28000	28699
2.44	41580	2823	4.95	40041	5882	15.8	35706	18289	26.8	27827	28867
+2.45	+41567	-2835	+5.0	+40024	-5942	+16.0	+35594	-18503	+27.0	+27653	-29033
2.46	41553	2848	5.2	39958	6182	16.2	35482	18716	27.2	27479	29199
2.47	41540	2860	5.4	39894	6422	16.4	35368	18929	27.4	27303	29363
2.48	41527	2873	5.6	39831	6661	16.6	35253	19141	27.6	27126	29526
2.49	41514	2885	5.8	39769	6900	16.8	35136	19352	27.8	26948	29689
+2.50	+41501	-2898	+6.0	+39708	-7138	+17.0	+35019	-19562	+28.0	+26769	-29850
2.55	41439	2960	6.2	39647	7376	17.2	34900	19772	28.2	26589	30010
2.60	41380	3022	6.4	39586	7614	17.4	34780	19981	28.4	26409	30169
2.65	41324	3084	6.6	39525	7851	17.6	34659	20189	28.6	26227	30327
2.70	41270	3146	6.8	39464	8088	17.8	34536	20397	28.8	26044	30484
+2.75	+41219	-3208	+7.0	+39403	-8325	+18.0	+34413	-20604	+29.0	+25861	-30639
2.80	41170	3270	7.2	39341	8561	18.2	34288	20810	29.2	25676	30794
2.85	41123	3331	7.4	39279	8797	18.4	34161	21015	29.4	25491	30947
2.90	41078	3393	7.6	39216	9033	18.6	34034	21220	29.6	25305	31100
2.95	41035	3455	7.8	39153	9268	18.8	33906	21424	29.8	25118	31251
+3.00	+40994	-3516	+8.0	+39088	-9502	+19.0	+33776	-21627	+30.0	+24929	-31401
3.05	40955	3578	8.2	39023	9737	19.2	33645	21829	30.2	24740	31550
3.10	40916	3639	8.4	38957	9971	19.4	33513	22030	30.4	24551	31698
3.15	40880	3700	8.6	38890	10204	19.6	33379	22231	30.6	24360	31845
3.20	40844	3762	8.8	38822	10437	19.8	33245	22431	30.8	24168	31990
+3.25	+40810	-3823	+9.0	+38753	-10670	+20.0	+33109	-22630	+31.0	+23976	-32135
3.30	40777	3884	9.2	38683	10902	20.2	32972	22828	31.2	23782	32278
3.35	40745	3945	9.4	38612	11134	20.4	32834	23026	31.4	23588	32420
3.40	40714	4006	9.6	38540	11366	20.6	32695	23222	31.6	23393	32561
3.45	40684	4067	9.8	38467	11597	20.8	32555	23418	31.8	23197	32701
+3.50	+40655	-4128	+10.0	+38392	-11827	+21.0	+32413	-23613	+32.0	+23000	-32839
3.55	40627	4189	10.2	38317	12057	21.2	32271	23807	32.2	22803	32977
3.60	40600	4250	10.4	38240	12287	21.4	32127	24000	32.4	22604	33113
3.65	40573	4311	10.6	38162	12516	21.6	31982	24192	32.6	22405	33248
3.70	40547	4372	10.8	38083	12745	21.8	31836	24384	32.8	22205	33382
+3.75	+40522	-4433	+11.0	+38003	-12973	+22.0	+31688	-24575	+33.0	+22004	-33515

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.03$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+33.0	+22004	-33515	+44.0	+9953	-38836	+55.0	-3171	-39965	+66.0	-15951	-36781
33.2	21803	33646	44.2	9720	38895	55.2	3410	39945	66.2	16171	36685
33.4	21600	33776	44.4	9486	38952	55.4	3650	39924	66.4	16391	36587
33.6	21397	33905	44.6	9252	39009	55.6	3889	39901	66.6	16610	36488
33.8	21193	34033	44.8	9018	39064	55.8	4129	39877	66.8	16829	36388
+34.0	+20988	-34160	+45.0	+8783	-39117	+56.0	-4368	-39852	+67.0	-17047	-36286
34.2	20783	34285	45.2	8548	39169	56.2	4607	39825	67.2	17264	36183
34.4	20577	34409	45.4	8313	39219	56.4	4846	39797	67.4	17481	36079
34.6	20370	34532	45.6	8078	39269	56.6	5085	39767	67.6	17697	35973
34.8	20162	34653	45.8	7842	39316	56.8	5323	39736	67.8	17913	35866
+35.0	+19954	-34774	+46.0	+7606	-39363	+57.0	-5562	-39703	+68.0	-18128	-35758
35.2	19745	34893	46.2	7369	39408	57.2	5800	39669	68.2	18342	35649
35.4	19535	35011	46.4	7133	39451	57.4	6038	39633	68.4	18556	35538
35.6	19325	35127	46.6	6896	39493	57.6	6275	39597	68.6	18768	35426
35.8	19113	35243	46.8	6659	39534	57.8	6513	39558	68.8	18981	35313
+36.0	+18901	-35357	+47.0	+6421	-39573	+58.0	-6750	-39518	+69.0	-19192	-35198
36.2	18689	35469	47.2	6184	39611	58.2	6987	39477	69.2	19403	35083
36.4	18476	35581	47.4	5946	39647	58.4	7224	39435	69.4	19613	34966
36.6	18262	35691	47.6	5708	39682	58.6	7460	39391	69.6	19823	34847
36.8	18047	35800	47.8	5470	39716	58.8	7697	39345	69.8	20031	34728
+37.0	+17832	-35908	+48.0	+5231	-39748	+59.0	-7933	-39298	+70.0	-20240	-34607
37.2	17616	36014	48.2	4993	39779	59.2	8168	39250	70.2	20447	34485
37.4	17400	36119	48.4	4754	39808	59.4	8404	39200	70.4	20653	34361
37.6	17183	36223	48.6	4515	39836	59.6	8639	39149	70.6	20859	34237
37.8	16965	36325	48.8	4276	39862	59.8	8873	39097	70.8	21064	34111
+38.0	+16747	-36426	+49.0	+4037	-39887	+60.0	-9108	-39043	+71.0	-21269	-33984
38.2	16528	36526	49.2	3797	39911	60.2	9342	38987	71.2	21472	33856
38.4	16308	36625	49.4	3558	39933	60.4	9576	38931	71.4	21675	33727
38.6	16088	36722	49.6	3318	39953	60.6	9809	38872	71.6	21877	33596
38.8	15867	36818	49.8	3078	39972	60.8	10042	38813	71.8	22078	33464
+39.0	+15646	-36912	+50.0	+2838	-39990	+61.0	-10275	-38752	+72.0	-22278	-33331
39.2	15424	37006	50.2	2598	40007	61.2	10507	38690	72.2	22478	33197
39.4	15202	37097	50.4	2358	40021	61.4	10739	38626	72.4	22677	33061
39.6	14979	37188	50.6	2118	40035	61.6	10971	38561	72.6	22875	32925
39.8	14755	37277	50.8	1877	40047	61.8	11202	38494	72.8	23072	32787
+40.0	+14532	-37365	+51.0	+1637	-40057	+62.0	-11433	-38426	+73.0	-23268	-32648
40.2	14307	37452	51.2	1397	40066	62.2	11663	38357	73.2	23464	32508
40.4	14082	37537	51.4	1156	40074	62.4	11893	38286	73.4	23658	32366
40.6	13856	37621	51.6	916	40080	62.6	12123	38214	73.6	23852	32224
40.8	13630	37703	51.8	675	40085	62.8	12352	38141	73.8	24045	32080
+41.0	+13404	-37784	+52.0	+435	-40088	+63.0	-12580	-38066	+74.0	-24237	-31935
41.2	13177	37864	52.2	194	40090	63.2	12808	37990	74.2	24428	31789
41.4	12949	37942	52.4	46	40091	63.4	13036	37912	74.4	24619	31642
41.6	12721	38019	52.6	287	40090	63.6	13263	37833	74.6	24808	31494
41.8	12493	38095	52.8	528	40087	63.8	13490	37753	74.8	24997	31344
+42.0	+12264	-38169	+53.0	-768	-40083	+64.0	-13716	-37671	+75.0	-25184	-31194
42.2	12035	38242	53.2	1009	40078	64.2	13942	37588	75.2	25371	31042
42.4	11805	38314	53.4	1249	40071	64.4	14168	37504	75.4	25557	30889
42.6	11575	38384	53.6	1489	40063	64.6	14392	37418	75.6	25742	30736
42.8	11345	38452	53.8	1730	40053	64.8	14617	37331	75.8	25926	30581
+43.0	+11114	-38520	+54.0	-1970	-40042	+65.0	-14840	-37243	+76.0	-26109	-30424
43.2	10882	38586	54.2	2210	40030	65.2	15064	37153	76.2	26291	30267
43.4	10650	38650	54.4	2451	40016	65.4	15286	37062	76.4	26472	30109
43.6	10418	38714	54.6	2691	40000	65.6	15508	36970	76.6	26652	29950
43.8	10186	38775	54.8	2931	39983	65.8	15730	36876	76.8	26831	29789
+44.0	+9953	-38836	+55.0	-3171	-39965	+66.0	-15951	-36781	+77.0	-27010	-29628

$4\pi W_e \times 10^4$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+77.0	-27010	-29628	+89.0	-35716	-18214	-100	0	0	-6.5	-209	+35
77.2	27187	29465	89.2	35824	17999	95	0	0	6.4	215	35
77.4	27363	29301	89.4	35932	17784	90	0	0	6.3	222	36
77.6	27538	29137	89.6	36038	17568	85	-1	+1	6.2	228	37
77.8	27713	28971	89.8	36142	17351	80	1	1	6.1	236	37
+78.0	-27886	-28804	+90.0	-36246	-17134	-75	-1	+1	-6.0	-243	+38
78.2	28058	28636	90.2	36348	16916	70	1	1	5.9	251	39
78.4	28230	28467	90.4	36449	16698	65	1	1	5.8	259	40
78.6	28400	28298	90.6	36548	16479	60	1	1	5.7	268	40
78.8	28569	28127	90.8	36647	16259	55	2	1	5.6	277	41
+79.0	-28738	-27955	+91.0	-36743	-16039	-50	-2	+2	-5.5	-287	+42
79.2	28905	27782	91.2	36839	15818	45	3	2	5.4	297	43
79.4	29071	27608	91.4	36933	15597	40	4	3	5.3	307	44
79.6	29236	27433	91.6	37026	15375	35	5	3	5.2	318	45
79.8	29400	27257	91.8	37118	15153	30	8	4	5.1	330	46
+80.0	-29563	-27080	+92.0	-37208	-14930	-25.0	-12	+6	-5.0	-342	+47
80.2	29725	26902	92.2	37297	14706	24.5	12	6	4.9	355	48
80.4	29886	26724	92.4	37385	14482	24.0	13	6	4.8	369	49
80.6	30046	26544	92.6	37471	14258	23.5	14	6	4.7	383	50
80.8	30205	26363	92.8	37556	14033	23.0	14	6	4.6	399	51
+81.0	-30362	-26181	+93.0	-37639	-13807	-22.5	-15	+7	-4.5	-415	+53
81.2	30519	25999	93.2	37721	13581	22.0	16	7	4.4	432	54
81.4	30674	25815	93.4	37802	13354	21.5	17	7	4.3	450	55
81.6	30829	25631	93.6	37882	13127	21.0	18	7	4.2	469	56
81.8	30982	25445	93.8	37960	12900	20.5	19	7	4.1	489	58
+82.0	-31134	-25259	+94.0	-38036	-12672	-20.0	-20	+8	-4.0	-510	+59
82.2	31285	25071	94.2	38112	12443	19.5	21	8	3.9	533	61
82.4	31435	24883	94.4	38186	12214	19.0	22	9	3.8	558	63
82.6	31584	24694	94.6	38258	11985	18.5	23	9	3.7	584	64
82.8	31731	24504	94.8	38330	11755	18.0	25	9	3.6	611	66
+83.0	-31878	-24313	+95.0	-38400	-11525	-17.5	-27	+10	-3.5	-641	+68
83.2	32023	24122	95.2	38468	11295	17.0	28	10	3.4	672	70
83.4	32167	23929	95.4	38535	11064	16.5	30	10	3.3	706	72
83.6	32310	23736	95.6	38601	10832	16.0	32	11	3.2	742	74
83.8	32452	23541	95.8	38665	10600	15.5	35	11	3.1	781	76
+84.0	-32593	-23346	+96.0	-38728	-10368	-15.0	-37	+12	-3.0	-823	+79
84.2	32732	23150	96.2	38789	10136	14.5	40	12	2.9	867	81
84.4	32870	22954	96.4	38850	9903	14.0	43	13	2.8	916	84
84.6	33008	22756	96.6	38908	9669	13.5	47	14	2.7	968	87
84.8	33143	22557	96.8	38966	9436	13.0	51	15	2.6	1024	90
+85.0	-33278	-22358	+97.0	-39021	-9202	-12.5	-55	+15	-2.50	-1085	+93
85.2	33412	22158	97.2	39076	8968	12.0	60	16	2.45	1117	95
85.4	33544	21957	97.4	39129	8733	11.5	66	17	2.40	1151	96
85.6	33675	21756	97.6	39181	8498	11.0	72	18	2.35	1186	98
85.8	33805	21553	97.8	39231	8263	10.5	79	19	2.30	1222	100
+86.0	-33934	-21350	+98.0	-39280	-8027	-10.0	-88	+21	-2.25	-1260	+102
86.2	34061	21146	98.2	39327	7791	9.5	98	22	2.20	1300	104
86.4	34188	20941	98.4	39373	7555	9.0	109	24	2.15	1341	106
86.6	34313	20736	98.6	39418	7319	8.5	123	25	2.10	1384	108
86.8	34436	20529	98.8	39461	7082	8.0	139	27	2.05	1429	110
+87.0	-34559	-20322	+99.0	-39503	-6845	-7.5	-157	+29	-2.00	-1476	+112
87.2	34680	20115	99.2	39543	6608	7.4	162	30	1.95	1525	114
87.4	34800	19906	99.4	39582	6371	7.3	166	30	1.90	1576	117
87.6	34919	19697	99.6	39620	6133	7.2	171	31	1.85	1629	119
87.8	35037	19487	99.8	39656	5895	7.1	176	31	1.80	1685	121
+88.0	-35153	-19277	+100.0	-39691	-5657	-7.0	-181	+32	-1.75	-1744	+124
88.2	35268	19065				6.9	186	32	1.70	1805	127
88.4	35382	18853				6.8	191	33	1.65	1869	129
88.6	35494	18641				6.7	197	34	1.60	1936	132
88.8	35606	18427				6.6	203	34	1.55	2006	135
+89.0	-35716	-18214				-6.5	-209	+35	-1.50	-2080	+138

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.03$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.50	-2080	+138	+1.50	-11178	+735	+6.5	-12811	+2606	+22.5	-10346	+8299
1.45	2157	142	1.55	11250	752	6.6	12809	2645	23.0	10221	8454
1.40	2238	145	1.60	11319	769	6.7	12807	2683	23.5	10094	8606
1.35	2322	148	1.65	11386	786	6.8	12804	2721	24.0	9964	8757
1.30	2411	152	1.70	11449	803	6.9	12802	2760	24.5	9832	8905
-1.25	-2504	+156	+1.75	-11509	+820	+7.0	-12799	+2798	+25.0	-9698	+9051
1.20	2602	159	1.80	11566	838	7.1	12795	2837	25.5	9562	9196
1.15	2704	163	1.85	11621	855	7.2	12792	2875	26.0	9424	9338
1.10	2811	168	1.90	11673	873	7.3	12788	2913	26.5	9283	9479
1.05	2923	172	1.95	11723	890	7.4	12783	2952	27.0	9140	9617
-1.00	-3041	+176	+2.00	-11771	+908	+7.5	-12779	+2990	+27.5	-8996	+9753
0.95	3165	181	2.05	11817	925	7.6	12774	3028	28.0	8849	9886
0.90	3294	186	2.10	11861	943	7.7	12769	3067	28.5	8700	10018
0.85	3429	191	2.15	11902	961	7.8	12763	3105	29.0	8549	10147
0.80	3570	196	2.20	11942	979	7.9	12758	3143	29.5	8396	10275
-0.75	-3718	+201	+2.25	-11981	+997	+8.0	-12752	+3182	+30.0	-8242	+10399
0.70	3872	207	2.30	12017	1015	8.1	12746	3220	30.5	8085	10522
0.65	4033	213	2.35	12052	1033	8.2	12739	3258	31.0	7927	10642
0.60	4200	219	2.40	12086	1051	8.3	12733	3296	31.5	7766	10760
0.55	4374	226	2.45	12118	1069	8.4	12726	3334	32.0	7605	10875
-0.50	-4555	+232	+2.5	-12149	+1087	+8.5	-12719	+3373	+32.5	-7441	+10988
0.45	4741	239	2.6	12206	1124	8.6	12712	3411	33.0	7275	11098
0.40	4934	247	2.7	12259	1161	8.7	12704	3449	33.5	7108	11206
0.35	5133	254	2.8	12308	1197	8.8	12697	3487	34.0	6940	11311
0.30	5337	262	2.9	12353	1234	8.9	12689	3525	34.5	6770	11414
-0.25	-5545	+270	+3.0	-12394	+1272	+9.0	-12681	+3563	+35.0	-6598	+11515
0.20	5758	279	3.1	12432	1309	9.1	12673	3601	35.5	6425	11612
0.15	5974	287	3.2	12467	1346	9.2	12664	3639	36.0	6250	11707
0.10	6193	297	3.3	12500	1384	9.3	12656	3677	36.5	6074	11800
-0.05	6414	306	3.4	12530	1421	9.4	12647	3715	37.0	5896	11889
0.00	-6635	+316	+3.5	-12557	+1459	+9.5	-12638	+3753	+37.5	-5718	+11977
+0.05	6857	326	3.6	12582	1497	9.6	12629	3791	38.0	5538	12061
0.10	7078	336	3.7	12606	1534	9.7	12619	3829	38.5	5356	12143
0.15	7296	347	3.8	12627	1572	9.8	12610	3867	39.0	5174	12222
0.20	7513	358	3.9	12647	1610	9.9	12600	3904	39.5	4990	12298
+0.25	-7725	+370	+4.0	-12665	+1648	+10.0	-12590	+3942	+40.0	-4805	+12371
0.30	7934	381	4.1	12682	1686	10.5	12538	4131	40.5	4619	12442
0.35	8137	393	4.2	12697	1724	11.0	12483	4318	41.0	4432	12510
0.40	8336	406	4.3	12711	1762	11.5	12423	4505	41.5	4244	12575
0.45	8528	418	4.4	12724	1800	12.0	12360	4691	42.0	4055	12637
+0.50	-8715	+431	+4.5	-12735	+1839	+12.5	-12293	+4876	+42.5	-3865	+12697
0.55	8895	445	4.6	12746	1877	13.0	12224	5060	43.0	3674	12753
0.60	9068	458	4.7	12756	1915	13.5	12150	5243	43.5	3483	12807
0.65	9235	472	4.8	12764	1953	14.0	12074	5424	44.0	3291	12858
0.70	9396	486	4.9	12772	1992	14.5	11995	5605	44.5	3097	12906
+0.75	-9549	+500	+5.0	-12779	+2030	+15.0	-11912	+5784	+45.0	-2904	+12951
0.80	9697	515	5.1	12786	2068	15.5	11827	5962	45.5	2709	12993
0.85	9837	529	5.2	12791	2107	16.0	11739	6139	46.0	2514	13032
0.90	9972	544	5.3	12796	2145	16.5	11648	6314	46.5	2318	13068
0.95	10101	559	5.4	12800	2183	17.0	11554	6488	47.0	2122	13101
+1.00	-10224	+574	+5.5	-12804	+2222	+17.5	-11457	+6661	+47.5	-1926	+13132
1.05	10341	590	5.6	12807	2260	18.0	11358	6832	48.0	1728	13159
1.10	10452	605	5.7	12809	2299	18.5	11255	7002	48.5	1531	13184
1.15	10559	621	5.8	12811	2337	19.0	11151	7170	49.0	1333	13205
1.20	10661	637	5.9	12812	2376	19.5	11043	7336	49.5	1135	13224
+1.25	-10757	+653	+6.0	-12813	+2414	+20.0	-10933	+7501	+50.0	-937	+13239
1.30	10850	669	6.1	12813	2452	20.5	10821	7664	50.5	738	13252
1.35	10938	686	6.2	12813	2491	21.0	10706	7826	51.0	539	13261
1.40	11021	702	6.3	12813	2529	21.5	10588	7986	51.5	340	13268
1.45	11101	719	6.4	12812	2568	22.0	10468	8143	52.0	141	13271
+1.50	-11178	+735	+6.5	-12811	+2606	+22.5	-10346	+8299	+52.5	+58	+13272

$$\bar{\omega} = 0.03$$

$$4\pi W_e \times 10^4$$

$n = 2$			$n = 2$			$n = 4$			$n = 4$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+52.5	+ .58	+13272	+ 77.5	+ 9087	+9673	-100	0	0	-7.5	-136	+28
53.0	257	13270	78.0	9231	9535	95	0	0	7.4	140	28
53.5	456	13264	78.5	9373	9396	90	0	0	7.3	143	28
54.0	654	13256	79.0	9513	9254	85	0	+ 1	7.2	146	29
54.5	853	13245	79.5	9651	9110	80	- 1	1	7.1	150	29
+55.0	+1052	+13230	+ 80.0	+ 9786	+8965	- 75	- 1	+ 1	-7.0	-154	+30
55.5	1250	13213	80.5	9920	8817	70	1	1	6.9	157	30
56.0	1448	13193	81.0	10051	8667	65	1	1	6.8	161	31
56.5	1646	13170	81.5	10180	8515	60	1	1	6.7	165	31
57.0	1843	13144	82.0	10306	8362	55	2	1	6.6	170	32
+57.5	+2040	+13114	+ 82.5	+10431	+8206	- 50	- 2	+ 2	-6.5	-174	+32
58.0	2236	13082	83.0	10552	8049	45	3	2	6.4	178	33
58.5	2432	13047	83.5	10672	7889	40	4	2	6.3	183	33
59.0	2627	13009	84.0	10789	7729	35	5	3	6.2	188	34
59.5	2822	12969	84.5	10904	7566	30	8	4	6.1	193	34
+60.0	+3016	+12925	+ 85.0	+11016	+7401	- 25.0	- 12	+ 5	-6.0	-198	+35
60.5	3210	12878	85.5	11126	7235	24.5	12	6	5.9	203	36
61.0	3403	12829	86.0	11233	7068	24.0	13	6	5.8	209	36
61.5	3595	12776	86.5	11338	6898	23.5	13	6	5.7	215	37
62.0	3786	12721	87.0	11440	6727	23.0	14	6	5.6	221	37
+62.5	+3976	+12662	+ 87.5	+11540	+6555	- 22.5	- 15	+ 6	-5.5	-227	+38
63.0	4166	12601	88.0	11637	6381	22.0	16	7	5.4	233	39
63.5	4354	12537	88.5	11731	6206	21.5	16	7	5.3	240	40
64.0	4542	12471	89.0	11823	6029	21.0	17	7	5.2	247	40
64.5	4728	12401	89.5	11912	5851	20.5	18	7	5.1	254	41
+65.0	+4914	+12329	+ 90.0	+11998	+5672	- 20.0	- 19	+ 8	-5.0	-261	+42
65.5	5098	12254	90.5	12082	5491	19.5	20	8	4.9	269	43
66.0	5281	12176	91.0	12163	5310	19.0	21	8	4.8	277	43
66.5	5463	12095	91.5	12241	5127	18.5	23	9	4.7	285	44
67.0	5644	12012	92.0	12317	4942	18.0	24	9	4.6	294	45
+67.5	+5823	+11926	+ 92.5	+12389	+4757	- 17.5	- 26	+ 9	-4.5	-303	+46
68.0	6002	11837	93.0	12459	4571	17.0	27	10	4.4	312	47
68.5	6178	11746	93.5	12526	4383	16.5	29	10	4.3	322	48
69.0	6354	11652	94.0	12591	4195	16.0	31	11	4.2	332	49
69.5	6528	11555	94.5	12652	4006	15.5	33	11	4.1	343	50
+70.0	+6701	+11456	+ 95.0	+12711	+3816	- 15.0	- 36	+12	-4.0	-354	+51
70.5	6872	11354	95.5	12767	3624	14.5	38	12	3.9	365	52
71.0	7041	11250	96.0	12820	3433	14.0	41	13	3.8	377	53
71.5	7209	11143	96.5	12870	3240	13.5	44	13	3.7	389	54
72.0	7375	11034	97.0	12917	3046	13.0	48	14	3.6	402	55
+72.5	+7540	+10922	+ 97.5	+12961	+2852	- 12.5	- 52	+15	-3.5	-415	+57
73.0	7703	10808	98.0	13002	2658	12.0	56	16	3.4	429	58
73.5	7864	10691	98.5	13041	2462	11.5	61	17	3.3	444	59
74.0	8024	10572	99.0	13076	2266	11.0	67	18	3.2	459	61
74.5	8181	10450	99.5	13109	2070	10.5	73	19	3.1	474	62
+75.0	+8337	+10326	+100.0	+13138	+1873	- 10.0	- 81	+20	-3.0	-490	+64
75.5	8491	10200				9.5	89	21	2.9	507	65
76.0	8643	10072				9.0	98	22	2.8	525	67
76.5	8793	9941				8.5	109	24	2.7	543	68
77.0	8941	9808				8.0	122	26	2.6	562	70
+77.5	+9087	+ 9673				- 7.5	-136	+28	-2.5	-582	+72

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.03$$

$$n = 4$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
-2.5	-582	+72	+2.5	-2028	+268	+7.5	-2415	+612	+50	-183	+2612
2.4	602	73	2.6	2047	274	8.0	2420	648	51	105	2616
2.3	623	75	2.7	2066	280	8.5	2423	684	52	-26	2618
2.2	645	77	2.8	2083	286	9.0	2424	720	53	+52	2618
2.1	667	79	2.9	2100	292	9.5	2423	757	54	130	2615
-2.0	-691	+81	+3.0	-2116	+299	+10.0	-2420	+793	+55	+209	+2610
1.9	715	83	3.1	2132	305	10.5	2415	829	56	287	2603
1.8	740	85	3.2	2146	311	11.0	2409	866	57	365	2593
1.7	766	88	3.3	2161	318	11.5	2402	902	58	442	2581
1.6	793	90	3.4	2174	324	12.0	2393	938	59	519	2567
-1.5	-820	+92	+3.5	-2187	+331	+12.5	-2383	+973	+60	+596	+2550
1.4	849	95	3.6	2200	338	13.0	2373	1009	61	672	2531
1.3	878	97	3.7	2212	344	13.5	2361	1045	62	748	2509
1.2	908	100	3.8	2223	351	14.0	2349	1080	63	822	2486
1.1	938	103	3.9	2234	357	14.5	2335	1115	64	896	2460
-1.0	-969	+106	+4.0	-2245	+364	+15	-2321	+1150	+65	+970	+2432
0.9	1001	109	4.1	2254	371	16	2290	1219	66	1042	2402
0.8	1034	112	4.2	2264	378	17	2257	1287	67	1114	2370
0.7	1067	115	4.3	2273	385	18	2221	1355	68	1184	2335
0.6	1100	118	4.4	2282	391	19	2182	1421	69	1254	2299
-0.5	-1134	+122	+4.5	-2290	+398	+20	-2141	+1485	+70	+1322	+2260
0.4	1169	125	4.6	2298	405	21	2097	1549	71	1389	2219
0.3	1203	129	4.7	2306	412	22	2052	1611	72	1455	2177
0.2	1238	132	4.8	2313	419	23	2004	1672	73	1520	2132
-0.1	1273	136	4.9	2320	426	24	1955	1731	74	1583	2085
0.0	-1309	+140	+5.0	-2326	+433	+25	-1903	+1789	+75	+1645	+2037
+0.1	1344	144	5.1	2333	440	26	1850	1846	76	1705	1987
0.2	1379	148	5.2	2339	447	27	1795	1900	77	1764	1935
0.3	1413	152	5.3	2344	454	28	1738	1953	78	1821	1881
0.4	1448	156	5.4	2350	461	29	1679	2005	79	1877	1825
+0.5	-1482	+161	+5.5	-2355	+468	+30	-1619	+2054	+80	+1930	+1768
0.6	1516	165	5.6	2360	475	31	1558	2102	81	1982	1710
0.7	1550	170	5.7	2364	482	32	1495	2147	82	2033	1649
0.8	1583	175	5.8	2369	489	33	1430	2191	83	2081	1588
0.9	1615	179	5.9	2373	496	34	1364	2233	84	2128	1525
+1.0	-1647	+184	+6.0	-2377	+504	+35	-1297	+2273	+85	+2173	+1460
1.1	1678	189	6.1	2381	511	36	1229	2311	86	2215	1394
1.2	1708	194	6.2	2384	518	37	1159	2347	87	2256	1327
1.3	1737	199	6.3	2387	525	38	1089	2381	88	2295	1259
1.4	1766	205	6.4	2391	532	39	1017	2412	89	2332	1190
+1.5	-1794	+210	+6.5	-2394	+539	+40	-945	+2442	+90	+2366	+1119
1.6	1821	215	6.6	2396	546	41	871	2469	91	2399	1048
1.7	1848	221	6.7	2399	554	42	797	2494	92	2429	975
1.8	1873	227	6.8	2402	561	43	722	2517	93	2457	902
1.9	1898	232	6.9	2404	568	44	647	2537	94	2483	828
+2.0	-1922	+238	+7.0	-2406	+575	+45	-570	+2556	+95	+2507	+753
2.1	1944	244	7.1	2408	583	46	494	2571	96	2528	677
2.2	1967	250	7.2	2410	590	47	417	2585	97	2548	601
2.3	1988	256	7.3	2412	597	48	339	2596	98	2564	524
2.4	2009	262	7.4	2413	604	49	261	2605	99	2579	447
+2.5	-2028	+268	+7.5	-2415	+612	+50	-183	+2612	+100	+2591	+370

$4\pi W_e \times 10^4$

$n = 6$			$n = 6$			$n = 6$			$n = 8$			$n = 8$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0.0	-550	+ 88	+ 50	- 76	+1099	-100	0	0	+ 10	-511	+194
95	0	0	+ 0.5	598	96	52	- 10	1102	95	0	0	11	514	209
90	0	+ 1	1.0	644	106	54	+ 56	1101	90	0	+ 1	12	514	225
85	- 1	1	1.5	688	116	56	121	1095	85	- 1	1	13	514	240
80	1	1	2.0	729	126	58	187	1086	80	1	1	14	511	256
- 75	- 1	+ 1	+ 2.5	-767	+ 138	+ 60	+ 251	+1073	- 75	- 1	+ 1	+ 15	-508	+271
70	1	1	3.0	801	149	62	315	1056	70	1	1	16	503	286
65	1	1	3.5	831	162	64	378	1035	65	1	1	17	498	301
60	1	1	4.0	857	174	66	439	1011	60	1	1	18	491	316
55	2	1	4.5	880	187	68	499	982	55	2	1	19	484	330
- 50	- 2	+ 2	+ 5.0	-900	+ 201	+ 70	+ 557	+ 951	- 50	- 2	+ 2	+ 20	-476	+345
45	3	2	5.5	917	214	72	612	916	45	3	2	22	458	373
40	4	2	6.0	931	228	74	666	877	40	4	2	24	438	400
35	5	3	6.5	943	242	76	717	836	35	5	3	26	415	425
30	7	4	7.0	953	257	78	766	791	30	7	4	28	391	450
- 25	- 11	+ 5	+ 7.5	-961	+ 271	+ 80	+ 812	+ 744	- 25	- 11	+ 5	+ 30	-364	+472
24	12	6	8.0	968	285	82	855	694	24	12	6	32	337	493
23	14	6	8.5	973	300	84	895	641	23	13	6	34	307	512
22	15	7	9.0	977	314	86	932	587	22	14	7	36	277	530
21	16	7	9.5	979	329	88	965	530	21	16	7	38	246	546
- 20	- 18	+ 8	+10	-981	+ 344	+ 90	+ 995	+ 471	- 20	- 17	+ 7	+ 40	-213	+560
19	20	8	11	982	373	92	1022	410	19	19	8	42	180	571
18	23	9	12	979	403	94	1044	348	18	21	9	44	146	581
17	26	10	13	974	432	96	1063	285	17	24	9	46	111	589
16	29	10	14	967	461	98	1078	221	16	27	10	48	76	594
- 15	- 33	+11	+15	-958	+ 490	+100	+1090	+ 156	- 15	- 30	+ 11	+ 50	- 40	+598
14	38	12	16	947	519				14	35	12	52	- 5	599
13	44	14	17	935	547				13	39	13	54	+ 31	598
12	51	15	18	921	575				12	45	14	56	67	595
11	60	17	19	906	602				11	52	16	58	102	590
- 10.0	- 71	+19	+20	-890	+ 629				- 10	- 60	+ 17	+ 60	+137	+583
9.5	77	20	21	873	655				9	70	19	62	172	574
9.0	84	21	22	855	681				8	82	22	64	206	563
8.5	92	22	23	835	707				7	97	24	66	239	549
8.0	101	24	24	815	732				6	114	27	68	271	534
- 7.5	-112	+25	+25	-794	+ 756				- 5	-136	+ 31	+ 70	+303	+517
7.0	123	27	26	772	779				4	161	36	72	333	498
6.5	137	29	27	749	802				3	191	41	74	362	477
6.0	152	31	28	726	824				2	224	47	76	390	454
5.5	169	33	29	702	845				- 1	261	54	78	416	430
- 5.0	-188	+36	+30	-677	+ 866				0	-299	+ 63	+ 80	+441	+404
4.5	210	39	32	625	905				+ 1	337	72	82	465	377
4.0	236	43	34	571	941				2	373	83	84	486	349
3.5	264	46	36	514	974				3	405	94	86	506	319
3.0	296	50	38	455	1003				4	433	107	88	524	288
- 2.5	-331	+55	+40	-395	+1028				+ 5	-455	+120	+ 90	+541	+256
2.0	370	60	42	333	1050				6	474	134	92	555	223
1.5	412	66	44	270	1068				7	488	149	94	567	189
1.0	456	73	46	206	1082				8	499	164	96	578	155
- 0.5	503	80	48	141	1093				9	506	179	98	586	120
0.0	-550	+88	+50	- 76	+1099				+ 10	-511	+194	+100	+592	+ 85

$$\bar{\omega} = 0.03$$

$$4\pi W_e \times 10^4$$

$n = 10$			$n = 10$			$n = 12$			$n = 12$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0	-185	+48	-100	0	0	0	-125	+38
95	0	0	+1	204	54	95	0	0	+1	135	42
90	0	0	2	222	60	90	0	0	2	145	46
85	0	+1	3	239	67	85	-1	+1	3	155	51
80	-1	1	4	254	74	80	1	1	4	164	55
-75	-1	+1	+5	-267	+82	-75	-1	+1	+5	-172	+60
70	1	1	6	278	90	70	1	1	6	179	66
65	1	1	7	287	99	65	1	1	7	184	71
60	1	1	8	294	108	60	1	1	8	189	77
55	2	1	9	300	116	55	2	1	9	193	82
-50	-2	+2	+10	-304	+125	-50	-2	+2	+10	-196	+88
45	3	2	11	306	135	45	3	2	11	198	94
40	4	2	12	308	144	40	4	2	12	200	100
35	5	3	13	308	153	35	5	3	13	201	106
30	7	4	14	308	162	30	7	4	14	201	112
-25	-10	+5	+15	-306	+172	-25	-10	+5	+15	-200	+118
24	11	5	16	304	181	24	11	5	16	199	124
23	12	6	17	302	190	23	11	6	17	198	130
22	13	6	18	298	199	22	12	6	18	196	136
21	15	7	19	294	208	21	14	6	19	194	142
-20	-16	+7	+20	-290	+216	-20	-15	+7	+20	-191	+148
19	18	8	21	285	225	19	16	7	21	188	153
18	20	8	22	280	234	18	18	8	22	185	159
17	22	9	23	274	242	17	20	8	23	181	164
16	25	9	24	268	250	16	22	9	24	177	170
-15	-27	+10	+25	-261	+258	-15	-24	+10	+25	-173	+175
14	31	11	30	224	294	14	27	10	30	149	199
13	35	12	35	180	325	13	30	11	35	120	219
12	39	13	40	131	348	12	34	12	40	87	235
11	44	14	45	79	364	11	38	13	45	52	245
-10	-51	+16	+50	-24	+371	-10	-42	+15	+50	-16	+250
9	58	17	55	+31	371	9	47	16	55	+21	250
8	66	19	60	85	362	8	53	17	60	58	244
7	76	22	65	138	345	7	60	19	65	93	233
6	87	24	70	188	321	6	67	21	70	127	216
-5	-100	+27	+75	+234	+289	-5	-75	+23	+75	+157	+195
4	114	30	80	274	251	4	84	25	80	185	169
3	130	34	85	308	207	3	94	28	85	208	140
2	148	38	90	336	159	2	104	31	90	226	107
-1	166	42	95	355	107	-1	114	34	95	239	72
0	-185	+48	+100	+367	+53	0	-125	+38	+100	+247	+36

$$\bar{\omega} = 0.03$$

$$4\pi W_e \times 10^4$$

$n = 14$			$n = 14$			$n = 16$			$n = 16$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0	-89	+31	-100	0	0	0	-66	+26
95	0	+1	+1	95	34	95	0	0	+1	70	28
90	0	1	2	101	37	90	0	0	2	74	30
85	-1	1	3	107	40	85	0	+1	3	78	32
80	1	1	4	112	43	80	-1	1	4	81	35
-75	-1	+1	+5	-118	+47	-75	-1	+1	+5	-85	+37
70	1	1	6	122	50	70	1	1	6	87	40
65	1	1	7	126	54	65	1	1	7	90	43
60	1	1	8	129	58	60	1	1	8	92	45
55	2	1	9	132	62	55	1	1	9	94	48
-50	-2	+2	+10	-134	+66	-50	-2	+2	+10	-96	+51
45	2	2	11	136	70	45	2	2	11	97	54
40	3	2	12	137	74	40	3	2	12	98	57
35	5	3	13	138	78	35	4	3	13	99	60
30	6	4	14	138	82	30	6	4	14	99	63
-25	-9	+5	+15	-138	+86	-25	-8	+5	+15	-99	+66
24	10	5	16	138	90	24	9	5	16	99	69
23	11	5	17	137	94	23	10	5	17	99	72
22	11	6	18	136	99	22	11	5	18	98	75
21	12	6	19	135	103	21	12	6	19	97	77
-20	-14	+6	+20	-133	+107	-20	-13	+6	+20	-96	+80
19	15	7	21	131	111	19	14	7	21	95	83
18	16	7	22	129	114	18	15	7	22	93	86
17	18	8	23	126	118	17	16	7	23	92	89
16	19	8	24	124	122	16	17	8	24	90	92
-15	-21	+9	+25	-121	+126	-15	-19	+8	+25	-88	+94
14	24	10	30	104	143	14	21	9	30	76	107
13	26	10	35	84	157	13	23	10	35	61	117
12	29	11	40	61	168	12	25	10	40	45	125
11	32	12	45	36	175	11	27	11	45	26	130
-10	-35	+13	+50	-11	+179	-10	-30	+12	+50	-8	+133
9	39	14	55	+16	178	9	32	13	55	+12	132
8	43	16	60	42	174	8	35	14	60	31	129
7	48	17	65	67	166	7	39	15	65	50	123
6	52	18	70	90	154	6	42	16	70	67	114
-5	-58	+20	+75	+112	+139	-5	-46	+18	+75	+83	+103
4	64	22	80	131	121	4	49	19	80	97	89
3	70	24	85	148	100	3	53	21	85	110	74
2	76	26	90	161	76	2	57	22	90	119	57
-1	82	28	95	170	51	-1	62	24	95	126	38
0	-89	+31	+100	+176	+25	0	-66	+26	+100	+130	+19

	$n = 18$		$n = 20$		$n = 22$		$n = 24$		$n = 26$		$n = 28$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	-1	0	0	0	0	+1	0	+1
85	0	0	0	+1	1	+1	0	+1	0	1	0	1
80	-1	+1	-1	1	1	1	-1	1	-1	1	-1	1
-75	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
70	1	1	1	1	1	1	1	1	1	1	1	1
65	1	1	1	1	1	1	1	1	1	1	1	1
60	1	1	1	1	1	1	1	1	1	1	1	1
55	1	1	1	1	1	1	1	1	1	1	1	1
-50	-2	+2	-2	+2	-2	+1	-2	+1	-2	+1	-2	+1
45	2	2	2	2	2	2	2	2	2	2	2	2
40	3	2	3	2	3	2	3	2	3	2	3	2
35	4	3	4	3	4	3	4	3	3	2	3	2
30	6	3	5	3	5	3	5	3	4	3	4	3
-25	-8	+4	-7	+4	-7	+4	-6	+4	-6	+4	-5	+4
20	11	6	10	6	9	5	8	5	8	5	7	4
15	17	8	15	7	13	7	11	6	10	6	9	6
10	25	11	21	10	18	9	15	8	13	8	11	7
-5	36	16	29	14	24	12	20	11	17	10	14	9
0	-50	+22	-39	+19	-31	+16	-25	+14	-21	+13	-17	+11
+5	63	31	48	25	38	22	30	19	24	16	20	14
10	71	41	54	33	42	28	33	23	27	20	22	17
15	74	52	56	41	43	34	34	28	27	24	22	21
20	72	63	55	50	42	41	33	34	27	28	22	24
+25	-66	+73	-50	+58	-39	+47	-31	+38	-25	+32	-20	+27
30	57	82	44	65	34	52	27	43	22	35	17	30
35	46	90	35	71	27	57	22	46	17	38	14	32
40	33	96	26	75	20	60	16	49	13	41	10	34
45	19	100	15	78	12	63	9	51	7	42	6	35
+50	-5	+102	-4	+80	-3	+64	-2	+52	-1	+43	-1	+36
55	+9	101	+8	79	+6	64	+5	52	+5	42	+4	35
60	24	99	19	77	15	62	13	50	11	41	9	34
65	38	94	30	74	24	59	20	48	16	39	14	33
70	51	87	40	68	32	55	26	44	22	37	18	30
+75	+64	+79	+50	+62	+40	+49	+32	+40	+27	+33	+22	+27
80	75	68	58	54	47	43	38	35	31	29	26	24
85	84	56	65	44	52	35	42	29	35	24	29	20
90	91	43	71	34	57	27	46	22	38	18	31	15
95	96	29	75	23	60	18	49	15	40	12	33	10
+100	+100	+15	+78	+11	+62	+9	+50	+8	+41	+6	+34	+5

	$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0
80	-1	+1	0	+1	0	+1	0	+1	0	+1	0	+1
70	1	1	-1	1	-1	1	-1	1	-1	1	-1	1
60	1	1	1	1	1	1	1	1	1	1	1	1
-50	-2	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
40	2	2	2	2	2	2	2	2	2	2	2	2
30	4	3	3	3	3	3	3	2	3	2	2	2
20	6	4	5	4	5	4	4	4	4	3	4	3
-10	10	7	9	6	7	6	7	5	6	5	5	4
0	-14	+10	-12	+9	-10	+8	-9	+7	-8	+7	-7	+6
+10	18	15	15	13	12	12	10	10	9	9	7	8
20	18	20	15	18	12	15	10	13	9	12	7	10
30	14	25	12	22	10	19	8	16	7	14	6	12
40	8	29	-7	24	-6	21	-5	18	-4	16	-3	14
+50	-1	+30	0	+25	0	+22	0	+19	0	+16	0	+14
60	+8	29	+7	25	+6	21	+5	18	+4	16	+4	14
70	15	26	13	22	11	18	9	16	8	14	7	12
80	22	20	18	17	16	15	13	12	12	11	10	9
90	26	13	22	11	19	9	16	8	14	7	12	6
+100	+29	+4	+24	+4	+21	+3	+18	+3	+15	+3	+13	+2

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-186	+40	-4.00	-592	+80	-2.20	-1938	+158
95	0	0	6.95	189	41	3.95	607	82	2.19	1955	159
90	0	0	6.90	192	41	3.90	623	83	2.18	1972	159
85	0	0	6.85	195	42	3.85	640	84	2.17	1990	160
80	0	+1	6.80	198	42	3.80	657	85	2.16	2008	161
-75	-1	+1	-6.75	-201	+43	-3.75	-675	+87	-2.15	-2026	+162
70	1	1	6.70	204	43	3.70	693	88	2.14	2044	163
65	1	1	6.65	208	43	3.65	712	89	2.13	2062	163
60	1	1	6.60	211	44	3.60	732	91	2.12	2081	164
55	1	1	6.55	214	44	3.55	753	92	2.11	2100	165
-50	-2	+2	-6.50	-218	+45	-3.50	-775	+94	-2.10	-2120	+166
45	2	2	6.45	221	45	3.45	798	95	2.09	2139	167
40	3	3	6.40	225	45	3.40	821	97	2.08	2159	168
35	4	3	6.35	229	46	3.35	846	99	2.07	2179	169
30	7	5	6.30	233	46	3.30	872	100	2.06	2199	169
-25.0	-10	+6	-6.25	-237	+47	-3.25	-899	+102	-2.05	-2220	+170
24.5	11	6	6.20	240	47	3.20	927	104	2.04	2241	171
24.0	12	7	6.15	245	48	3.15	957	106	2.03	2262	172
23.5	12	7	6.10	249	48	3.10	988	108	2.02	2284	173
23.0	13	7	6.05	253	49	3.05	1020	110	2.01	2306	174
-22.5	-14	+7	-6.00	-257	+49	-3.00	-1055	+112	-2.00	-2328	+175
22.0	14	8	5.95	262	50	2.95	1090	114	1.99	2350	176
21.5	15	8	5.90	267	50	2.90	1128	116	1.98	2373	177
21.0	16	8	5.85	271	51	2.85	1168	119	1.97	2396	178
20.5	17	9	5.80	276	51	2.80	1209	121	1.96	2420	179
-20.0	-18	+9	-5.75	-281	+52	-2.75	-1253	+124	-1.95	-2443	+180
19.5	19	9	5.70	286	52	2.70	1299	126	1.94	2467	181
19.0	20	10	5.65	292	53	2.65	1348	129	1.93	2492	182
18.5	22	10	5.60	297	54	2.60	1399	131	1.92	2517	183
18.0	23	10	5.55	303	54	2.55	1453	134	1.91	2542	184
-17.5	-25	+11	-5.50	-308	+55	-2.50	-1511	+137	-1.90	-2567	+185
17.0	26	11	5.45	314	55	2.49	1523	138	1.89	2593	186
16.5	28	12	5.40	320	56	2.48	1535	139	1.88	2620	187
16.0	30	13	5.35	326	57	2.47	1547	139	1.87	2646	188
15.5	33	13	5.30	333	57	2.46	1559	140	1.86	2673	189
-15.0	-35	+14	-5.25	-339	+58	-2.45	-1572	+140	-1.85	-2701	+190
14.5	38	15	5.20	346	59	2.44	1584	141	1.84	2729	191
14.0	41	15	5.15	353	59	2.43	1597	142	1.83	2757	192
13.5	45	16	5.10	360	60	2.42	1610	142	1.82	2786	193
13.0	49	17	5.05	368	61	2.41	1623	143	1.81	2815	194
-12.5	-53	+18	-5.00	-375	+62	-2.40	-1636	+144	-1.80	-2845	+195
12.0	58	19	4.95	383	62	2.39	1650	144	1.79	2875	197
11.5	64	20	4.90	391	63	2.38	1663	145	1.78	2906	198
11.0	71	22	4.85	400	64	2.37	1677	146	1.77	2937	199
10.5	78	23	4.80	408	65	2.36	1691	146	1.76	2968	200
-10.0	-87	+25	-4.75	-417	+66	-2.35	-1705	+147	-1.75	-3000	+201
9.5	97	27	4.70	426	66	2.34	1719	148	1.74	3033	202
9.0	109	29	4.65	436	67	2.33	1733	148	1.73	3066	204
8.5	123	31	4.60	445	68	2.32	1748	149	1.72	3100	205
8.0	140	34	4.55	456	69	2.31	1763	150	1.71	3134	206
-7.50	-161	+37	-4.50	-466	+70	-2.30	-1778	+150	-1.70	-3169	+207
7.45	163	37	4.45	477	71	2.29	1793	151	1.69	3204	209
7.40	166	38	4.40	488	72	2.28	1808	152	1.68	3240	210
7.35	168	38	4.35	499	73	2.27	1824	153	1.67	3276	211
7.30	171	38	4.30	511	74	2.26	1839	153	1.66	3313	213
-7.25	-173	+39	-4.25	-523	+75	-2.25	-1855	+154	-1.65	-3351	+214
7.20	176	39	4.20	536	76	2.24	1871	155	1.64	3389	215
7.15	178	39	4.15	549	77	2.23	1887	155	1.63	3428	217
7.10	181	40	4.10	563	78	2.22	1904	156	1.62	3468	218
7.05	184	40	4.05	577	79	2.21	1921	157	1.61	3508	219
-7.00	-186	+40	-4.00	-592	+80	-2.20	-1938	+158	-1.60	-3549	+221

$$\bar{\omega} = 0.04$$

$$n = 0$$

Auxiliary Table

					$4\pi W_e \times 10^4$						
t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.82416	+ 717	-0.03510	- 69	+1.00	+48364	-1255	+1.60	+43622	-2347	
0.9	0.88648	830	0.02725	76	1.01	48224	1274	1.61	43580	2365	
0.8	0.95713	961	0.02016	82	1.02	48087	1293	1.62	43538	2382	
0.7	1.03742	1107	0.01389	89	1.03	47954	1313	1.63	43498	2400	
0.6	1.12881	1270	0.00851	98	1.04	47824	1332	1.64	43458	2417	
-0.5	+1.23291	+1441	-0.00411	-106	+1.05	+47696	-1351	+1.65	+43418	-2434	
0.4	1.35141	1608	-0.00077	115	1.06	47572	1370	1.66	43379	2452	
0.3	1.48597	1769	+0.00142	124	1.07	47451	1389	1.67	43341	2469	
0.2	1.63816	1894	0.00236	139	1.08	47333	1408	1.68	43304	2486	
-0.1	1.80922	1983	+0.00192	147	1.09	47217	1427	1.69	43267	2504	
0.0	+2.00000	+2009	0.00000	-161	+1.10	+47104	-1446	+1.70	+43230	-2521	
+0.1	2.21077	1979	-0.00353	172	1.11	46993	1464	1.71	43195	2538	
0.2	2.44123	1892	0.00878	186	1.12	46885	1483	1.72	43159	2556	
0.3	2.69053	1761	0.01588	195	1.13	46780	1502	1.73	43125	2573	
0.4	2.95739	1603	0.02493	206	1.14	46677	1521	1.74	43090	2590	
+0.5	+3.24025	+1429	-0.03604	-215	+1.15	+46576	-1539	+1.75	+43057	-2607	
0.6	3.53740	1259	0.04930	224	1.16	46477	1558	1.76	43023	2624	
0.7	3.84715	1095	0.06480	232	1.17	46380	1576	1.77	42991	2642	
0.8	4.16787	943	0.08262	239	1.18	46286	1595	1.78	42959	2659	
0.9	4.49806	815	0.10283	244	1.19	46193	1614	1.79	42927	2676	
+1.0	+4.83642	+ 697	-0.12548	-250	+1.20	+46103	-1632	+1.80	+42896	-2693	
					1.21	46014	1650	1.81	42865	2710	
					1.22	45927	1669	1.82	42834	2727	
					1.23	45842	1687	1.83	42804	2745	
					1.24	45759	1705	1.84	42775	2762	
					+1.25	+45678	-1724	+1.85	+42746	-2779	
					1.26	45598	1742	1.86	42717	2796	
					1.27	45520	1760	1.87	42689	2813	
					1.28	45443	1778	1.88	42661	2830	
					1.29	45368	1797	1.89	42633	2847	
-1.60	-3549	+221	-1.30	-5194	+272	+1.30	+45294	-1815	+1.90	+42606	-2864
1.59	3591	222	1.29	5266	274	1.31	45222	1833	1.91	42579	2881
1.58	3633	224	1.28	5341	277	1.32	45151	1851	1.92	42553	2898
1.57	3676	225	1.27	5417	279	1.33	45082	1869	1.93	42527	2915
1.56	3720	227	1.26	5494	281	1.34	45014	1887	1.94	42501	2932
-1.55	-3765	+228	-1.25	-5573	+283	+1.35	+44947	-1905	+1.95	+42476	-2949
1.54	3810	230	1.24	5654	285	1.36	44882	1923	1.96	42451	2966
1.53	3856	231	1.23	5736	288	1.37	44818	1941	1.97	42426	2983
1.52	3903	233	1.22	5820	290	1.38	44755	1959	1.98	42402	3000
1.51	3951	234	1.21	5906	292	1.39	44693	1977	1.99	42378	3017
-1.50	-4000	+236	-1.20	-5994	+295	+1.40	+44632	-1995	+2.00	+42354	-3034
1.49	4050	238	1.19	6084	297	1.41	44572	2012	2.01	42331	3051
1.48	4100	239	1.18	6176	300	1.42	44514	2030	2.02	42308	3068
1.47	4152	241	1.17	6269	302	1.43	44457	2048	2.03	42285	3085
1.46	4204	242	1.16	6365	305	1.44	44400	2066	2.04	42262	3102
-1.45	-4258	+244	-1.15	-6463	+307	+1.45	+44345	-2083	+2.05	+42240	-3119
1.44	4312	246	1.14	6563	310	1.46	44291	2101	2.06	42218	3136
1.43	4368	248	1.13	6666	312	1.47	44237	2119	2.07	42196	3152
1.42	4424	249	1.12	6771	315	1.48	44185	2137	2.08	42175	3169
1.41	4482	251	1.11	6878	318	1.49	44133	2154	2.09	42154	3186
-1.40	-4540	+253	-1.10	-6988	+321	+1.50	+44083	-2172	+2.10	+42133	-3203
1.39	4600	255	1.09	7100	323	1.51	44033	2190	2.11	42112	3220
1.38	4661	257	1.08	7215	326	1.52	43984	2207	2.12	42092	3237
1.37	4723	259	1.07	7333	329	1.53	43936	2225	2.13	42072	3254
1.36	4786	260	1.06	7454	332	1.54	43889	2242	2.14	42052	3270
-1.35	-4851	+262	-1.05	-7577	+335	+1.55	+43842	-2260	+2.15	+42032	-3287
1.34	4917	264	1.04	7704	338	1.56	43797	2277	2.16	42013	3304
1.33	4984	266	1.03	7833	341	1.57	43752	2295	2.17	41993	3321
1.32	5052	268	1.02	7966	345	1.58	43708	2312	2.18	41974	3338
1.31	5122	270	1.01	8102	348	1.59	43664	2330	2.19	41956	3354
-1.30	-5194	+272	-1.00	-8242	+351	+1.60	+43622	-2347	+2.20	+41937	-3371

$$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln|t|$$

$$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln|t|$$

$4\pi W_e \times 10^4$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.60	-3549	+221	-1.30	-5194	+272
1.59	3591	222	1.29	5266	274
1.58	3633	224	1.28	5341	277
1.57	3676	225	1.27	5417	279
1.56	3720	227	1.26	5494	281
-1.55	-3765	+228	-1.25	-5573	+283
1.54	3810	230	1.24	5654	285
1.53	3856	231	1.23	5736	288
1.52	3903	233	1.22	5820	290
1.51	3951	234	1.21	5906	292
-1.50	-4000	+236	-1.20	-5994	+295
1.49	4050	238	1.19	6084	297
1.48	4100	239	1.18	6176	300
1.47	4152	241	1.17	6269	302
1.46	4204	242	1.16	6365	305
-1.45	-4258	+244	-1.15	-6463	+307
1.44	4312	246	1.14	6563	310
1.43	4368	248	1.13	6666	312
1.42	4424	249	1.12	6771	315
1.41	4482	251	1.11	6878	318
-1.40	-4540	+253	-1.10	-6988	+321
1.39	4600	255	1.09	7100	323
1.38	4661	257	1.08	7215	326
1.37	4723	259	1.07	7333	329
1.36	4786	260	1.06	7454	332
-1.35	-4851	+262	-1.05	-7577	+335
1.34	4917	264	1.04	7704	338
1.33	4984	266	1.03	7833	341
1.32	5052	268	1.02	7966	345
1.31	5122	270	1.01	8102	348
-1.30	-5194	+272	-1.00	-8242	+351

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+2.20	+41937	-3371	+3.75	+40379	-5914	+11.0	+36401	-17082	+22.0	+25599	-30941
2.21	41919	3388	3.80	40349	5995	11.2	36260	17372	22.2	25350	31145
2.22	41901	3405	3.85	40319	6075	11.4	36117	17662	22.4	25100	31347
2.23	41883	3421	3.90	40290	6156	11.6	35972	17950	22.6	24848	31547
2.24	41865	3438	3.95	40262	6236	11.8	35825	18237	22.8	24594	31744
+2.25	+41847	-3455	+4.00	+40234	-6317	+12.0	+35675	-18523	+23.0	+24339	-31940
2.26	41830	3472	4.05	40206	6397	12.2	35524	18808	23.2	24083	32134
2.27	41813	3488	4.10	40179	6478	12.4	35370	19092	23.4	23825	32325
2.28	41796	3505	4.15	40152	6558	12.6	35214	19374	23.6	23565	32515
2.29	41779	3522	4.20	40125	6638	12.8	35056	19655	23.8	23304	32703
+2.30	+41763	-3539	+4.25	+40099	-6719	+13.0	+34806	-19935	+24.0	+23041	-32888
2.31	41746	3555	4.30	40073	6799	13.2	34733	20213	24.2	22777	33071
2.32	41730	3572	4.35	40048	6879	13.4	34569	20491	24.4	22511	33252
2.33	41714	3589	4.40	40022	6959	13.6	34402	20766	24.6	22244	33431
2.34	41698	3605	4.45	39997	7039	13.8	34233	21041	24.8	21976	33608
+2.35	+41682	-3622	+4.50	+39972	-7119	+14.0	+34062	-21314	+25.0	+21706	-33783
2.36	41667	3639	4.55	39947	7199	14.2	33889	21586	25.2	21435	33956
2.37	41651	3655	4.60	39922	7279	14.4	33714	21856	25.4	21162	34126
2.38	41636	3672	4.65	39898	7359	14.6	33537	22126	25.6	20888	34294
2.39	41621	3689	4.70	39873	7438	14.8	33358	22393	25.8	20613	34460
+2.40	+41606	-3705	+4.75	+39849	-7518	+15.0	+33176	-22659	+26.0	+20337	-34624
2.41	41591	3722	4.80	39825	7598	15.2	32993	22924	26.2	20059	34785
2.42	41577	3739	4.85	39801	7677	15.4	32807	23187	26.4	19780	34945
2.43	41562	3755	4.90	39777	7757	15.6	32620	23449	26.6	19499	35102
2.44	41548	3772	4.95	39753	7836	15.8	32430	23709	26.8	19218	35257
+2.45	+41534	-3788	+5.0	+39730	-7916	+16.0	+32238	-23968	+27.0	+18935	-35410
2.46	41520	3805	5.2	39635	8233	16.2	32045	24225	27.2	18651	35560
2.47	41506	3822	5.4	39542	8550	16.4	31849	24480	27.4	18365	35708
2.48	41492	3838	5.6	39449	8866	16.6	31651	24734	27.6	18079	35854
2.49	41479	3855	5.8	39355	9181	16.8	31451	24987	27.8	17791	35997
+2.50	+41465	-3872	+6.0	+39261	-9496	+17.0	+31250	-25238	+28.0	+17503	-36138
2.55	41399	3954	6.2	39167	9810	17.2	31046	25487	28.2	17213	36277
2.60	41337	4037	6.4	39071	10122	17.4	30840	25734	28.4	16922	36414
2.65	41277	4120	6.6	38974	10435	17.6	30633	25980	28.6	16630	36548
2.70	41220	4202	6.8	38877	10746	17.8	30423	26224	28.8	16337	36680
+2.75	+41165	-4285	+7.0	+38777	-11057	+18.0	+30212	-26467	+29.0	+16043	-36809
2.80	41112	4367	7.2	38676	11366	18.2	29998	26708	29.2	15748	36936
2.85	41062	4449	7.4	38574	11675	18.4	29783	26947	29.4	15451	37061
2.90	41013	4531	7.6	38470	11984	18.6	29566	27184	29.6	15154	37184
2.95	40966	4613	7.8	38364	12291	18.8	29347	27420	29.8	14856	37304
+3.00	+40921	-4695	+8.0	+38257	-12597	+19.0	+29126	-27654	+30.0	+14557	-37421
3.05	40877	4777	8.2	38147	12903	19.2	28903	27886	30.2	14257	37537
3.10	40834	4859	8.4	38036	13208	19.4	28679	28116	30.4	13956	37649
3.15	40793	4940	8.6	37922	13512	19.6	28452	28345	30.6	13654	37760
3.20	40754	5022	8.8	37807	13815	19.8	28224	28571	30.8	13352	37868
+3.25	+40715	-5103	+9.0	+37690	-14117	+20.0	+27994	-28796	+31.0	+13048	-37973
3.30	40677	5185	9.2	37570	14418	20.2	27762	29019	31.2	12744	38077
3.35	40641	5266	9.4	37449	14718	20.4	27529	29240	31.4	12439	38177
3.40	40605	5347	9.6	37325	15017	20.6	27294	29460	31.6	12133	38276
3.45	40571	5428	9.8	37200	15315	20.8	27057	29677	31.8	11826	38371
+3.50	+40537	-5509	+10.0	+37072	-15612	+21.0	+26818	-29893	+32.0	+11519	-38465
3.55	40504	5590	10.2	36942	15908	21.2	26577	30106	32.2	11210	38556
3.60	40472	5671	10.4	36810	16203	21.4	26335	30318	32.4	10902	38644
3.65	40440	5752	10.6	36676	16497	21.6	26092	30528	32.6	10592	38730
3.70	40409	5833	10.8	36539	16790	21.8	25846	30735	32.8	10282	38814
+3.75	+40379	-5914	+11.0	+36401	-17082	+22.0	+25599	-30941	+33.0	+9971	-38895

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+33.0	+9971	-38895	+44.0	-7550	-39436	+55.0	-23630	-32464	+66.0	-35208	-19306
33.2	9659	38973	44.2	7865	39374	55.2	23889	32274	66.2	35361	19024
33.4	9347	39049	44.4	8180	39310	55.4	24146	32081	66.4	35512	18741
33.6	9034	39123	44.6	8494	39244	55.6	24402	31887	66.6	35661	18456
33.8	8721	39194	44.8	8808	39174	55.8	24656	31691	66.8	35807	18170
+34.0	+8407	-39262	+45.0	-9121	-39103	+56.0	-24909	-31493	+67.0	-35952	-17883
34.2	8092	39328	45.2	9434	39028	56.2	25160	31292	67.2	36093	17595
34.4	7777	39392	45.4	9746	38952	56.4	25410	31090	67.4	36233	17305
34.6	7462	39453	45.6	10057	38872	56.6	25658	30886	67.6	36370	17015
34.8	7146	39511	45.8	10368	38791	56.8	25904	30680	67.8	36505	16724
+35.0	+6829	-39567	+46.0	-10678	-38707	+57.0	-26149	-30471	+68.0	-36638	-16431
35.2	6513	39620	46.2	10987	38620	57.2	26392	30261	68.2	36768	16137
35.4	6195	39671	46.4	11296	38531	57.4	26633	30049	68.4	36896	15843
35.6	5878	39720	46.6	11604	38439	57.6	26873	29835	68.6	37022	15547
35.8	5560	39765	46.8	11911	38345	57.8	27110	29619	68.8	37145	15250
+36.0	+5241	-39809	+47.0	-12217	-38249	+58.0	-27347	-29401	+69.0	-37266	-14953
36.2	4923	39849	47.2	12523	38150	58.2	27581	29182	69.2	37384	14654
36.4	4603	39887	47.4	12828	38048	58.4	27813	28960	69.4	37500	14355
36.6	4284	39923	47.6	13132	37944	58.6	28044	28737	69.6	37614	14054
36.8	3965	39956	47.8	13435	37838	58.8	28273	28511	69.8	37725	13753
+37.0	+3645	-39986	+48.0	-13737	-37729	+59.0	-28501	-28284	+70.0	-37834	-13451
37.2	3325	40014	48.2	14039	37618	59.2	28726	28055	70.2	37940	13148
37.4	3004	40040	48.4	14339	37505	59.4	28949	27825	70.4	38044	12844
37.6	2684	40062	48.6	14639	37389	59.6	29171	27592	70.6	38146	12539
37.8	2363	40082	48.8	14937	37271	59.8	29391	27358	70.8	38245	12233
+38.0	+2042	-40100	+49.0	-15235	-37150	+60.0	-29609	-27122	+71.0	-38342	-11927
38.2	1721	40115	49.2	15532	37027	60.2	29825	26884	71.2	38436	11620
38.4	1400	40128	49.4	15828	36901	60.4	30039	26645	71.4	38528	11312
38.6	1079	40138	49.6	16122	36774	60.6	30251	26404	71.6	38617	11003
38.8	758	40145	49.8	16416	36644	60.8	30462	26161	71.8	38704	10694
+39.0	+437	-40150	+50.0	-16709	-36511	+61.0	-30670	-25916	+72.0	-38788	-10384
39.2	+116	40152	50.2	17000	36376	61.2	30876	25670	72.2	38870	10073
39.4	-206	40152	50.4	17291	36239	61.4	31081	25422	72.4	38949	9762
39.6	527	40149	50.6	17580	36100	61.6	31283	25173	72.6	39026	9450
39.8	848	40143	50.8	17868	35958	61.8	31483	24922	72.8	39100	9138
+40.0	-1169	-40135	+51.0	-18156	-35814	+62.0	-31682	-24669	+73.0	-39172	-8825
40.2	1490	40124	51.2	18441	35667	62.2	31878	24415	73.2	39242	8511
40.4	1812	40111	51.4	18726	35519	62.4	32072	24159	73.4	39308	8197
40.6	2132	40096	51.6	19010	35368	62.6	32265	23902	73.6	39373	7882
40.8	2453	40077	51.8	19292	35214	62.8	32455	23643	73.8	39435	7567
+41.0	-2774	-40056	+52.0	-19573	-35059	+63.0	-32643	-23382	+74.0	-39494	-7251
41.2	3094	40033	52.2	19853	34901	63.2	32829	23120	74.2	39551	6935
41.4	3414	40007	52.4	20132	34741	63.4	33013	22857	74.4	39605	6618
41.6	3734	39978	52.6	20409	34579	63.6	33195	22592	74.6	39657	6301
41.8	4054	39947	52.8	20685	34415	63.8	33374	22326	74.8	39706	5984
+42.0	-4374	-39913	+53.0	-20960	-34248	+64.0	-33552	-22058	+75.0	-39752	-5666
42.2	4693	39877	53.2	21233	34079	64.2	33727	21789	75.2	39796	5348
42.4	5012	39838	53.4	21505	33908	64.4	33901	21519	75.4	39838	5029
42.6	5330	39797	53.6	21776	33735	64.6	34072	21247	75.6	39877	4710
42.8	5649	39753	53.8	22045	33560	64.8	34241	20973	75.8	39913	4391
+43.0	-5966	-39706	+54.0	-22313	-33383	+65.0	-34407	-20699	+76.0	-39947	-4072
43.2	6284	39657	54.2	22579	33203	65.2	34572	20423	76.2	39978	3752
43.4	6601	39606	54.4	22844	33021	65.4	34734	20146	76.4	40007	3432
43.6	6918	39552	54.6	23107	32838	65.6	34894	19867	76.6	40033	3112
43.8	7234	39495	54.8	23369	32652	65.8	35052	19587	76.8	40057	2792
+44.0	-7550	-39436	+55.0	-23630	-32464	+66.0	-35208	-19306	+77.0	-40078	-2471

$$\bar{\omega} = 0.04$$

$$4\pi W_e \times 10^4$$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+77.0	-40078	-2471	+89.0	-36691	+16316	-100	0	0	-6.5	-203	+43
77.2	40097	2150	89.2	36559	16609	95	0	0	6.4	209	44
77.4	40113	1830	89.4	36425	16900	90	0	0	6.3	216	45
77.6	40126	1509	89.6	36289	17191	85	0	+1	6.2	223	46
77.8	40137	1188	89.8	36150	17481	80	0	1	6.1	230	46
+78.0	-40145	-866	+90.0	-36009	+17770	-75	-1	+1	-6.0	-237	+47
78.2	40151	545	90.2	35866	18057	70	1	1	5.9	245	48
78.4	40154	-224	90.4	35720	18344	65	1	1	5.8	253	49
78.6	40154	+97	90.6	35572	18629	60	1	1	5.7	262	50
78.8	40152	418	90.8	35422	18913	55	1	1	5.6	271	51
+79.0	-40148	+740	+91.0	-35269	+19195	-50	-2	+2	-5.5	-281	+53
79.2	40140	1061	91.2	35115	19477	45	2	2	5.4	290	54
79.4	40131	1382	91.4	34958	19757	40	3	3	5.3	301	55
79.6	40118	1703	91.6	34799	20036	35	4	3	5.2	312	56
79.8	40103	2024	91.8	34637	20314	30	7	4	5.1	323	57
+80.0	-40086	+2345	+92.0	-34474	+20590	-25.0	-11	+6	-5.0	-336	+59
80.2	40066	2665	92.2	34308	20866	24.5	11	6	4.9	348	60
80.4	40043	2986	92.4	34140	21139	24.0	12	7	4.8	362	62
80.6	40018	3306	92.6	33970	21412	23.5	12	7	4.7	376	63
80.8	39990	3626	92.8	33797	21683	23.0	13	7	4.6	391	65
+81.0	-39960	+3946	+93.0	-33623	+21953	-22.5	-13	+7	-4.5	-407	+66
81.2	39927	4265	93.2	33446	22221	22.0	14	8	4.4	424	68
81.4	39892	4584	93.4	33267	22488	21.5	15	8	4.3	442	70
81.6	39854	4903	93.6	33086	22753	21.0	16	8	4.2	461	71
81.8	39813	5222	93.8	32903	23017	20.5	17	8	4.1	481	73
+82.0	-39770	+5540	+94.0	-32718	+23280	-20.0	-18	+9	-4.0	-503	+75
82.2	39725	5858	94.2	32531	23541	19.5	19	9	3.9	525	77
82.4	39677	6176	94.4	32341	23800	19.0	20	10	3.8	549	79
82.6	39626	6493	94.6	32150	24058	18.5	21	10	3.7	575	82
82.8	39573	6810	94.8	31956	24314	18.0	23	10	3.6	603	84
+83.0	-39517	+7126	+95.0	-31761	+24569	-17.5	-24	+11	-3.5	-632	+87
83.2	39459	7442	95.2	31563	24823	17.0	26	11	3.4	664	89
83.4	39398	7758	95.4	31364	25074	16.5	28	12	3.3	697	92
83.6	39335	8073	95.6	31162	25324	16.0	30	13	3.2	733	95
83.8	39269	8387	95.8	30959	25573	15.5	32	13	3.1	772	98
+84.0	-39200	+8701	+96.0	-30753	+25820	-15.0	-35	+14	-3.0	-813	+101
84.2	39130	9014	96.2	30545	26065	14.5	37	14	2.9	858	104
84.4	39056	9327	96.4	30336	26308	14.0	41	15	2.8	906	108
84.6	38980	9639	96.6	30125	26550	13.5	44	16	2.7	958	111
84.8	38902	9951	96.8	29911	26790	13.0	48	17	2.6	1014	115
+85.0	-38821	+10262	+97.0	-29696	+27029	-12.5	-52	+18	-2.50	-1074	+120
85.2	38738	10572	97.2	29479	27266	12.0	57	19	2.45	1107	122
85.4	38652	10881	97.4	29260	27501	11.5	62	20	2.40	1140	124
85.6	38564	11190	97.6	29039	27734	11.0	69	22	2.35	1175	126
85.8	38473	11498	97.8	28816	27965	10.5	76	23	2.30	1211	129
+86.0	-38380	+11806	+98.0	-28591	+28195	-10.0	-84	+25	-2.25	-1249	+131
86.2	38284	12112	98.2	28365	28423	9.5	94	26	2.20	1289	134
86.4	38186	12418	98.4	28137	28649	9.0	105	28	2.15	1330	136
86.6	38085	12723	98.6	27906	28873	8.5	118	31	2.10	1373	139
86.8	37982	13028	98.8	27675	29095	8.0	134	33	2.05	1417	142
+87.0	-37877	+13331	+99.0	-27441	+29316	-7.5	-152	+36	-2.00	-1464	+145
87.2	37769	13634	99.2	27206	29534	7.4	157	37	1.95	1513	148
87.4	37659	13935	99.4	26968	29751	7.3	161	37	1.90	1564	151
87.6	37546	14236	99.6	26730	29966	7.2	166	38	1.85	1618	154
87.8	37431	14536	99.8	26489	30179	7.1	170	39	1.80	1673	157
+88.0	-37314	+14835	+100.0	-26247	+30390	-7.0	-175	+39	-1.75	-1732	+161
88.2	37194	15133				6.9	180	40	1.70	1793	164
88.4	37071	15430				6.8	186	41	1.65	1857	168
88.6	36947	15726				6.7	191	41	1.60	1924	172
88.8	36820	16021				6.6	197	42	1.55	1994	175
+89.0	-36691	+16316				-6.5	-203	+43	-1.50	-2067	+180

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.50	-2067	+180	+1.50	-11140	+973	+6.5	-12584	+3445	+22.5	-8211	+10372
1.45	2144	184	1.55	11212	995	6.6	12576	3495	23.0	8003	10534
1.40	2225	188	1.60	11281	1018	6.7	12568	3545	23.5	7792	10692
1.35	2309	193	1.65	11346	1040	6.8	12559	3595	24.0	7577	10845
1.30	2398	197	1.70	11408	1063	6.9	12550	3646	24.5	7359	10995
-1.25	-2491	+202	+1.75	-11467	+1086	+7.0	-12541	+3696	+25.0	-7138	+11140
1.20	2588	207	1.80	11524	1109	7.1	12531	3746	25.5	6915	11280
1.15	2690	213	1.85	11577	1132	7.2	12521	3796	26.0	6688	11416
1.10	2797	218	1.90	11629	1155	7.3	12510	3846	26.5	6459	11548
1.05	2909	224	1.95	11678	1179	7.4	12499	3896	27.0	6228	11675
-1.00	-3027	+230	+2.00	-11725	+1202	+7.5	-12488	+3946	+27.5	-5993	+11797
0.95	3150	236	2.05	11769	1225	7.6	12476	3996	28.0	5757	11914
0.90	3279	242	2.10	11812	1249	7.7	12464	4046	28.5	5518	12027
0.85	3414	249	2.15	11853	1273	7.8	12452	4096	29.0	5277	12135
0.80	3555	256	2.20	11892	1296	7.9	12439	4146	29.5	5033	12238
-0.75	-3703	+263	+2.25	-11929	+1320	+8.0	-12426	+4195	+30.0	-4788	+12336
0.70	3857	271	2.30	11964	1344	8.1	12413	4245	30.5	4540	12430
0.65	4017	279	2.35	11998	1368	8.2	12399	4295	31.0	4291	12518
0.60	4184	287	2.40	12030	1392	8.3	12385	4344	31.5	4040	12601
0.55	4358	295	2.45	12061	1416	8.4	12370	4394	32.0	3788	12680
-0.50	-4538	+304	+2.5	-12091	+1440	+8.5	-12356	+4443	+32.5	-3534	+12753
0.45	4724	314	2.6	12146	1489	8.6	12341	4492	33.0	3278	12821
0.40	4917	323	2.7	12196	1538	8.7	12326	4542	33.5	3022	12884
0.35	5115	333	2.8	12242	1586	8.8	12310	4591	34.0	2764	12942
0.30	5319	344	2.9	12284	1636	8.9	12294	4640	34.5	2505	12995
-0.25	-5527	+355	+3.0	-12323	+1685	+9.0	-12278	+4689	+35.0	-2244	+13042
0.20	5740	366	3.1	12358	1734	9.1	12262	4738	35.5	1983	13084
0.15	5955	378	3.2	12390	1784	9.2	12245	4787	36.0	1722	13121
0.10	6174	390	3.3	12419	1833	9.3	12228	4836	36.5	1459	13153
-0.05	6394	402	3.4	12446	1883	9.4	12211	4885	37.0	1196	13180
0.00	-6616	+415	+3.5	-12470	+1933	+9.5	-12194	+4934	+37.5	-932	+13201
+0.05	6837	429	3.6	12492	1983	9.6	12176	4983	38.0	668	13217
0.10	7057	443	3.7	12511	2033	9.7	12158	5032	38.5	404	13228
0.15	7276	457	3.8	12529	2083	9.8	12140	5080	39.0	-139	13233
0.20	7491	472	3.9	12545	2133	9.9	12121	5129	39.5	+125	13233
+0.25	-7704	+487	+4.0	-12560	+2183	+10.0	-12103	+5177	+40.0	+390	+13228
0.30	7912	503	4.1	12573	2233	10.5	12006	5418	40.5	654	13218
0.35	8115	519	4.2	12584	2284	11.0	11902	5657	41.0	918	13202
0.40	8313	535	4.3	12594	2334	11.5	11794	5894	41.5	1182	13181
0.45	8505	552	4.4	12603	2384	12.0	11679	6129	42.0	1445	13155
+0.50	-8691	+569	+4.5	-12610	+2435	+12.5	-11559	+6361	+42.5	+1707	+13123
0.55	8870	586	4.6	12617	2485	13.0	11435	6591	43.0	1969	13086
0.60	9043	604	4.7	12622	2536	13.5	11305	6819	43.5	2231	13044
0.65	9210	623	4.8	12626	2586	14.0	11170	7044	44.0	2491	12997
0.70	9370	641	4.9	12630	2637	14.5	11030	7266	44.5	2750	12945
+0.75	-9523	+660	+5.0	-12632	+2687	+15.0	-10886	+7485	+45.0	+3009	+12887
0.80	9669	679	5.1	12634	2738	15.5	10736	7701	45.5	3266	12824
0.85	9810	699	5.2	12634	2788	16.0	10583	7914	46.0	3521	12757
0.90	9944	718	5.3	12634	2839	16.5	10425	8124	46.5	3776	12684
0.95	10072	739	5.4	12633	2889	17.0	10262	8331	47.0	4028	12606
+1.00	-10194	+759	+5.5	-12632	+2940	+17.5	-10095	+8535	+47.5	+4280	+12523
1.05	10310	779	5.6	12630	2991	18.0	9924	8735	48.0	4529	12434
1.10	10421	800	5.7	12627	3041	18.5	9749	8932	48.5	4777	12341
1.15	10527	821	5.8	12623	3092	19.0	9570	9125	49.0	5022	12243
1.20	10628	842	5.9	12619	3142	19.5	9387	9314	49.5	5266	12141
+1.25	-10724	+863	+6.0	-12615	+3193	+20.0	-9201	+9500	+50.0	+5508	+12033
1.30	10816	885	6.1	12610	3243	20.5	9010	9682	50.5	5747	11920
1.35	10903	907	6.2	12604	3293	21.0	8816	9861	51.0	5985	11803
1.40	10986	929	6.3	12598	3344	21.5	8618	10035	51.5	6219	11681
1.45	11065	951	6.4	12591	3394	22.0	8416	10205	52.0	6452	11554
+1.50	-11140	+973	+6.5	-12584	+3445	+22.5	-8211	+10372	+52.5	+6681	+11423

$$\bar{\omega} = 0.04$$

$$4\pi W_e \times 10^4$$

$n = 2$			$n = 2$			$n = 4$			$n = 4$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+52.5	+6681	+11423	+77.5	+13220	+551	-100	0	0	-7.5	-132	+34
53.0	6908	11287	78.0	13229	286	95	0	0	7.4	135	34
53.5	7133	11146	78.5	13232	+21	90	0	0	7.3	138	35
54.0	7354	11002	79.0	13229	-243	85	0	+1	7.2	141	35
54.5	7572	10852	79.5	13222	507	80	-1	1	7.1	145	36
+55.0	+7788	+10699	+80.0	+13209	-772	-75	-1	+1	-7.0	-149	+37
55.5	8000	10541	80.5	13191	1036	70	1	1	6.9	152	37
56.0	8209	10379	81.0	13168	1299	65	1	1	6.8	156	38
56.5	8415	10212	81.5	13139	1562	60	1	1	6.7	160	38
57.0	8618	10042	82.0	13105	1825	55	1	1	6.6	164	39
+57.5	+8817	+9868	+82.5	+13066	-2087	-50	-2	+2	-6.5	-169	+40
58.0	9012	9689	83.0	13022	2348	45	2	2	6.4	173	40
58.5	9204	9507	83.5	12972	2607	40	3	3	6.3	177	41
59.0	9393	9321	84.0	12917	2866	35	4	3	6.2	182	42
59.5	9577	9132	84.5	12857	3124	30	7	4	6.1	187	43
+60.0	+9758	+8938	+85.0	+12792	-3381	-25.0	-10	+6	-6.0	-192	+43
60.5	9934	8741	85.5	12722	3636	24.5	11	6	5.9	197	44
61.0	10107	8541	86.0	12647	3889	24.0	11	6	5.8	203	45
61.5	10276	8337	86.5	12567	4142	23.5	12	7	5.7	209	46
62.0	10441	8130	87.0	12481	4392	23.0	13	7	5.6	214	47
+62.5	+10601	+7920	+87.5	+12391	-4641	-22.5	-13	+7	-5.5	-221	+47
63.0	10757	7706	88.0	12296	4888	22.0	14	7	5.4	227	48
63.5	10909	7489	88.5	12195	5133	21.5	15	8	5.3	234	49
64.0	11057	7270	89.0	12090	5376	21.0	16	8	5.2	240	50
64.5	11200	7047	89.5	11980	5616	20.5	16	8	5.1	247	51
+65.0	+11339	+6822	+90.0	+11866	-5855	-20.0	-17	+9	-5.0	-255	+52
65.5	11473	6593	90.5	11746	6091	19.5	18	9	4.9	262	53
66.0	11602	6303	91.0	11622	6325	19.0	20	9	4.8	270	54
66.5	11727	6129	91.5	11493	6556	18.5	21	10	4.7	279	55
67.0	11847	5894	92.0	11360	6784	18.0	22	10	4.6	287	56
+67.5	+11963	+5656	+92.5	+11222	-7010	-17.5	-24	+11	-4.5	-296	+58
68.0	12073	5415	93.0	11079	7233	17.0	25	11	4.4	305	59
68.5	12179	5173	93.5	10932	7453	16.5	27	12	4.3	315	60
69.0	12280	4928	94.0	10781	7670	16.0	29	12	4.2	325	61
69.5	12376	4682	94.5	10626	7884	15.5	31	13	4.1	335	63
+70.0	+12467	+4433	+95.0	+10466	-8095	-15.0	-33	+14	-4.0	-346	+64
70.5	12554	4183	95.5	10302	8303	14.5	36	14	3.9	358	65
71.0	12635	3931	96.0	10134	8507	14.0	38	15	3.8	369	67
71.5	12711	3678	96.5	9961	8708	13.5	42	16	3.7	381	68
72.0	12782	3423	97.0	9785	8906	13.0	45	17	3.6	394	70
+72.5	+12848	+3166	+97.5	+9605	-9100	-12.5	-49	+18	-3.5	-407	+72
73.0	12908	2909	98.0	9421	9290	12.0	53	19	3.4	421	73
73.5	12964	2650	98.5	9234	9476	11.5	58	20	3.3	435	75
74.0	13014	2390	99.0	9042	9659	11.0	64	21	3.2	450	77
74.5	13059	2129	99.5	8847	9838	10.5	70	22	3.1	466	78
+75.0	+13099	+1868	+100.0	+8649	-10013	-10.0	-77	+24	-3.0	-482	+80
75.5	13134	1606				9.5	85	25	2.9	498	82
76.0	13163	1343				9.0	94	27	2.8	516	84
76.5	13188	1079				8.5	105	29	2.7	534	86
77.0	13207	815				8.0	117	31	2.6	553	89
+77.5	+13220	+551				-7.5	-132	+34	-2.5	-572	+91

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-2.5	-572	+91	+2.5	-2003	+349	+7.5	-2341	+798	+50	+1079	+2355
2.4	592	93	2.6	2021	357	8.0	2339	845	51	1172	2309
2.3	613	96	2.7	2039	365	8.5	2335	892	52	1263	2261
2.2	635	98	2.8	2056	374	9.0	2328	939	53	1352	2208
2.1	658	101	2.9	2072	382	9.5	2318	985	54	1439	2153
-2.0	-681	+103	+3.0	-2087	+390	+10.0	-2307	+1031	+55	+1524	+2093
1.9	705	106	3.1	2102	399	10.5	2293	1077	56	1606	2031
1.8	730	109	3.2	2116	407	11.0	2278	1123	57	1686	1965
1.7	756	112	3.3	2130	415	11.5	2261	1168	58	1763	1896
1.6	782	115	3.4	2143	424	12.0	2242	1214	59	1838	1824
-1.5	-809	+118	+3.5	-2155	+433	+12.5	-2222	+1258	+60	+1909	+1749
1.4	837	122	3.6	2167	441	13.0	2201	1302	61	1977	1671
1.3	866	125	3.7	2178	450	13.5	2178	1346	62	2043	1591
1.2	896	129	3.8	2189	459	14.0	2154	1390	63	2104	1508
1.1	926	132	3.9	2199	467	14.5	2129	1432	64	2163	1422
-1.0	-957	+136	+4.0	-2208	+476	+15	-2103	+1475	+65	+2218	+1335
0.9	989	140	4.1	2217	485	16	2047	1558	66	2270	1245
0.8	1021	144	4.2	2226	494	17	1987	1638	67	2317	1153
0.7	1054	148	4.3	2234	503	18	1923	1717	68	2362	1060
0.6	1087	152	4.4	2242	512	19	1856	1792	69	2402	964
-0.5	-1121	+157	+4.5	-2250	+521	+20	-1785	+1865	+70	+2439	+868
0.4	1155	161	4.6	2257	530	21	1712	1935	71	2471	769
0.3	1190	166	4.7	2263	539	22	1635	2002	72	2500	670
0.2	1224	171	4.8	2270	548	23	1555	2066	73	2525	569
-0.1	1259	176	4.9	2276	557	24	1473	2126	74	2546	468
0.0	-1294	+181	+5.0	-2281	+566	+25	-1388	+2183	+75	+2562	+366
+0.1	1329	186	5.1	2286	575	26	1301	2237	76	2575	263
0.2	1363	191	5.2	2291	585	27	1211	2287	77	2583	160
0.3	1398	197	5.3	2296	594	28	1120	2334	78	2587	+56
0.4	1432	203	5.4	2301	603	29	1026	2377	79	2588	-47
+0.5	-1466	+208	+5.5	-2305	+612	+30	-931	+2416	+80	+2584	-151
0.6	1499	214	5.6	2308	621	31	834	2451	81	2576	254
0.7	1533	220	5.7	2312	631	32	736	2483	82	2563	357
0.8	1565	227	5.8	2315	640	33	637	2510	83	2547	459
0.9	1597	233	5.9	2318	649	34	537	2534	84	2526	560
+1.0	-1628	+239	+6.0	-2321	+658	+35	-435	+2553	+85	+2502	-661
1.1	1659	246	6.1	2324	668	36	333	2569	86	2473	760
1.2	1689	253	6.2	2326	677	37	231	2580	87	2441	859
1.3	1718	259	6.3	2328	686	38	128	2587	88	2405	955
1.4	1746	266	6.4	2330	696	39	-25	2590	89	2365	1051
+1.5	-1774	+273	+6.5	-2332	+705	+40	+79	+2589	+90	+2321	-1145
1.6	1800	281	6.6	2334	714	41	182	2584	91	2273	1236
1.7	1826	288	6.7	2335	724	42	285	2574	92	2222	1326
1.8	1851	295	6.8	2336	733	43	387	2561	93	2167	1414
1.9	1875	303	6.9	2338	742	44	489	2544	94	2109	1500
+2.0	-1899	+310	+7.0	-2338	+752	+45	+590	+2522	+95	+2047	-1583
2.1	1921	318	7.1	2339	761	46	690	2496	96	1982	1664
2.2	1943	326	7.2	2340	770	47	789	2467	97	1914	1742
2.3	1963	333	7.3	2340	780	48	887	2433	98	1843	1817
2.4	1983	341	7.4	2340	789	49	984	2396	99	1769	1889
+2.5	-2003	+349	+7.5	-2341	+798	+50	+1079	+2355	+100	+1692	-1958

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$$n = 6$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 2.5	-749	+ 177	+ 50	+ 450	+981
95	0	0	3.0	781	192	51	488	962
90	0	0	3.5	810	208	52	526	942
85	0	+ 1	4.0	834	224	53	563	920
80	0	1	4.5	855	241	54	600	896
- 75	- 1	+ 1	+ 5.0	-873	+ 259	+ 55	+ 635	+872
70	1	1	5.5	888	276	56	669	846
65	1	1	6.0	900	294	57	702	818
60	1	1	6.5	909	312	58	734	790
55	1	1	7.0	916	331	59	765	760
- 50	- 2	+ 2	+ 7.5	-922	+ 349	+ 60	+ 795	+728
45	2	2	8.0	925	367	61	823	696
40	3	3	8.5	927	386	62	850	662
35	4	3	9.0	928	404	63	876	628
30	6	4	9.5	927	423	64	900	592
- 25	- 10	+ 6	+10	-925	+ 442	+ 65	+ 923	+556
24	11	6	11	918	478	66	945	519
23	12	7	12	907	515	67	965	480
22	13	7	13	893	551	68	983	441
21	15	8	14	877	586	69	1000	402
- 20	- 17	+ 8	+15	-858	+ 621	+ 70	+1015	+361
19	19	9	16	837	655	71	1029	321
18	21	10	17	814	688	72	1041	279
17	24	11	18	789	720	73	1051	237
16	27	12	19	762	751	74	1059	195
- 15	- 31	+ 13	+20	-734	+ 781	+ 75	+1066	+153
14	36	14	21	704	810	76	1072	110
13	41	16	22	673	837	77	1075	67
12	48	18	23	640	863	78	1077	+ 24
11	56	20	24	607	888	79	1077	- 19
- 10.0	- 67	+ 22	+25	-572	+ 912	+ 80	+1075	- 62
9.5	73	24	26	536	934	81	1072	105
9.0	80	25	27	499	955	82	1067	148
8.5	88	27	28	461	974	83	1060	191
8.0	97	29	29	423	992	84	1051	233
- 7.5	-107	+ 31	+30	-384	+1008	+ 85	+1041	-275
7.0	118	33	31	344	1022	86	1029	316
6.5	131	35	32	303	1035	87	1016	357
6.0	146	38	33	262	1047	88	1001	397
5.5	163	41	34	221	1056	89	984	437
- 5.0	-182	+ 45	+35	-179	+1064	+ 90	+ 966	-476
4.5	204	49	36	136	1071	91	946	514
4.0	229	53	37	94	1075	92	925	552
3.5	257	58	38	51	1078	93	902	588
3.0	288	63	39	- 8	1079	94	877	624
- 2.5	-323	+ 69	+40	+ 35	+1079	+ 95	+ 852	-659
2.0	361	76	41	77	1077	96	825	692
1.5	402	84	42	120	1073	97	796	724
1.0	446	92	43	163	1067	98	767	756
- 0.5	492	102	44	205	1060	99	736	786
0.0	-538	+112	+45	+247	+1051	+100	+ 704	-815
+ 0.5	585	123	46	289	1040			
1.0	630	135	47	330	1027			
1.5	673	148	48	370	1013			
2.0	713	162	49	410	998			
+ 2.5	-749	+177	+50	+450	+ 981			

$$\bar{\omega} = 0.04$$

$$4\pi W_e \times 10^4$$

$n = 8$			$n = 8$			$n = 10$			$n = 10$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	-476	+245	-100	0	0	+ 10	-278	+156
95	0	0	11	474	264	95	0	0	11	279	168
90	0	+ 1	12	470	283	90	0	0	12	277	179
85	0	1	13	465	302	85	0	+ 1	13	275	190
80	0	1	14	458	320	80	0	1	14	271	201
- 75	- 1	+ 1	+ 15	-449	+339	- 75	- 1	+ 1	+ 15	-267	+211
70	1	1	16	439	356	70	1	1	16	261	222
65	1	1	17	427	374	65	1	1	17	255	232
60	1	1	18	415	390	60	1	1	18	248	242
55	1	1	19	401	407	55	1	1	19	240	252
- 50	- 2	+ 2	+ 20	-387	+423	- 50	- 2	+ 2	+ 20	-232	+261
45	2	2	22	355	452	45	2	2	22	213	279
40	3	3	24	321	479	40	3	2	24	193	295
35	4	3	26	284	504	35	4	3	26	171	310
30	6	4	28	244	525	30	6	4	28	147	323
- 25	- 9	+ 6	+ 30	-203	+543	- 25	- 9	+ 6	+ 30	-122	+334
24	10	6	32	160	557	24	10	6	32	96	342
23	11	7	34	116	568	23	11	6	34	69	349
22	13	7	36	72	576	22	12	7	36	42	353
21	14	8	38	- 26	579	21	13	7	38	- 15	356
- 20	- 16	+ 8	+ 40	+ 20	+580	- 20	- 15	+ 8	+ 40	+ 13	+356
19	17	9	42	66	576	19	16	8	42	41	354
18	20	10	44	111	569	18	18	9	44	69	349
17	22	10	46	156	559	17	20	10	46	96	343
16	25	11	48	199	544	16	22	11	48	123	334
- 15	- 28	+ 12	+ 50	+242	+527	- 15	- 25	+ 12	+ 50	+149	+323
14	32	14	52	283	506	14	28	13	52	174	310
13	36	15	54	322	482	13	32	14	54	198	295
12	42	16	56	359	454	12	36	15	56	220	278
11	49	18	58	394	424	11	41	17	58	242	260
- 10	- 57	+ 20	+ 60	+427	+391	- 10	- 47	+ 19	+ 60	+262	+240
9	66	23	62	457	356	9	54	21	62	280	218
8	78	26	64	483	318	8	62	23	64	296	195
7	92	29	66	507	279	7	71	26	66	311	171
6	109	33	68	528	237	6	82	29	68	323	145
- 5	-130	+ 38	+ 70	+545	+104	- 5	- 95	+ 32	+ 70	+334	+119
4	155	44	72	558	150	4	109	36	72	342	92
3	183	50	74	569	105	3	124	41	74	348	65
2	216	58	76	575	59	2	141	46	76	352	36
- 1	252	68	78	578	+ 13	- 1	159	52	78	354	+ 8
0	-289	+ 78	+ 80	+577	- 33	0	-177	+ 59	+ 80	+353	- 20
+ 1	325	91	82	572	79	+ 1	195	66	82	350	48
2	360	105	84	564	125	2	211	75	84	345	76
3	390	120	86	552	169	3	227	83	86	338	103
4	416	136	88	537	213	4	240	93	88	329	130
+ 5	-436	+153	+ 90	+518	-255	+ 5	-252	+103	+ 90	+317	-156
6	452	170	92	496	296	6	261	113	92	304	181
7	463	189	94	471	334	7	268	123	94	288	204
8	470	207	96	443	371	8	274	134	96	271	227
9	474	226	98	411	405	9	277	145	98	252	248
+ 10	-476	+245	+100	+378	-437	+ 10	-278	+156	+100	+231	-267

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$n = 12$			$n = 12$			$n = 14$			$n = 14$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	-177	+108	-100	0	0	+ 10	-119	+ 79
95	0	0	11	178	115	95	0	0	11	120	84
90	0	0	12	177	122	90	0	0	12	120	89
85	0	+ 1	13	176	130	85	0	+ 1	13	119	94
80	0	1	14	174	137	80	0	1	14	118	98
- 75	0	+ 1	+ 15	-172	+143	- 75	- 1	+ 1	+ 15	-116	+103
70	- 1	1	16	168	150	70	1	1	16	114	108
65	1	1	17	165	157	65	1	1	17	112	112
60	1	1	18	160	163	60	1	1	18	109	117
55	1	1	19	155	170	55	1	1	19	106	121
- 50	- 2	+ 2	+ 20	-150	+176	- 50	- 2	+ 2	+ 20	-102	+125
45	2	2	22	138	187	45	2	2	22	95	133
40	3	2	24	125	198	40	3	2	24	86	140
35	4	3	26	111	207	35	4	3	26	76	147
30	6	4	28	96	216	30	5	4	28	65	152
- 25	- 9	+ 5	+ 30	- 79	+223	- 25	- 8	+ 5	+ 30	- 54	+157
24	9	6	32	62	228	24	8	6	32	42	161
23	10	6	34	45	233	23	9	6	34	30	164
22	11	7	36	27	235	22	10	6	36	18	166
21	12	7	38	- 9	237	21	11	7	38	- 5	167
- 20	- 13	+ 8	+ 40	+ 10	+237	- 20	- 12	+ 7	+ 40	+ 8	+167
19	15	8	42	28	235	19	13	8	42	20	166
18	16	9	44	46	232	18	14	8	44	33	163
17	18	9	46	64	228	17	16	9	46	46	160
16	20	10	48	82	222	16	18	9	48	58	156
- 15	- 22	+ 11	+ 50	+ 99	+215	- 15	- 19	+10	+ 50	+ 70	+151
14	25	12	52	116	206	14	21	11	52	81	145
13	28	13	54	132	196	13	24	12	54	93	138
12	31	14	56	147	185	12	26	13	56	103	130
11	35	15	58	161	173	11	29	14	58	113	121
- 10	- 39	+ 17	+ 60	+174	+160	- 10	- 32	+15	+ 60	+122	+112
9	44	19	62	186	145	9	36	17	62	131	102
8	50	20	64	197	130	8	40	18	64	138	91
7	56	23	66	206	114	7	44	20	66	145	80
6	63	25	68	215	97	6	49	22	68	151	68
- 5	- 70	+ 28	+ 70	+222	+ 79	- 5	- 54	+24	+ 70	+156	+ 56
4	79	30	72	227	61	4	59	26	72	159	43
3	88	34	74	231	43	3	65	28	74	162	30
2	98	38	76	234	24	2	70	31	76	164	17
- 1	107	42	78	235	+ 6	- 1	76	34	78	165	+ 4
0	-117	+ 46	+ 80	+235	- 13	0	- 82	+37	+ 80	+165	- 9
+ 1	127	51	82	233	32	+ 1	88	41	82	163	22
2	136	56	84	229	50	2	93	44	84	161	35
3	145	62	86	224	68	3	99	48	86	157	48
4	153	68	88	218	86	4	103	52	88	153	60
+ 5	-159	+ 74	+ 90	+211	-103	+ 5	-108	+56	+ 90	+148	- 72
6	165	81	92	202	120	6	111	61	92	141	84
7	170	87	94	191	136	7	114	65	94	134	95
8	173	94	96	180	150	8	116	70	96	126	105
9	176	101	98	167	164	9	118	74	98	117	115
+ 10	-177	+108	+100	+153	-177	+ 10	-119	+79	+100	+108	-124

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.04$$

$n = 16$			$n = 16$			$n = 18$			$n = 18$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0	-60	+31	-100	0	0	0	-45	+26
95	0	0	+1	63	33	95	0	0	+1	47	27
90	0	+1	2	67	36	90	0	0	2	50	29
85	0	1	3	70	38	85	0	0	3	52	31
80	0	1	4	73	41	80	0	+1	4	54	34
-75	-1	+1	+5	-76	+44	-75	0	+1	+5	-56	+36
70	1	1	6	78	47	70	-1	1	6	57	38
65	1	1	7	80	51	65	1	1	7	58	40
60	1	1	8	82	54	60	1	1	8	59	43
55	1	1	9	83	57	55	1	1	9	60	45
-50	-2	+2	+10	-84	+60	-50	-1	+2	+10	-61	+48
45	2	2	11	84	64	45	2	2	11	61	50
40	3	2	12	84	67	40	3	2	12	61	52
35	4	3	13	84	71	35	3	3	13	61	55
30	5	4	14	83	74	30	5	4	14	60	57
-25	-7	+5	+15	-82	+77	-25	-7	+5	+15	-60	+60
24	8	5	16	81	80	24	7	5	16	59	62
23	9	6	17	79	84	23	8	5	17	58	64
22	9	6	18	77	87	22	8	6	18	56	67
21	10	6	19	75	90	21	9	6	19	55	69
-20	-11	+7	+20	-73	+93	-20	-10	+6	+20	-53	+71
19	12	7	21	70	96	19	11	7	21	51	73
18	13	8	22	67	98	18	11	7	22	49	75
17	14	8	23	64	101	17	12	8	23	47	77
16	15	9	24	61	103	16	14	8	24	44	79
-15	-17	+10	+25	-57	+106	-15	-15	+9	+25	-42	+81
14	19	10	30	38	115	14	16	9	30	28	88
13	20	11	35	-17	121	13	17	10	35	-12	92
12	22	12	40	+6	122	12	19	11	40	+5	92
11	24	13	45	29	119	11	20	12	45	23	89
-10	-27	+14	+50	+51	+110	-10	-22	+12	+50	+39	+83
9	29	15	55	72	98	9	24	13	55	54	74
8	32	16	60	89	82	8	26	14	60	67	62
7	35	17	65	103	63	7	28	15	65	78	47
6	38	19	70	114	41	6	30	17	70	85	31
-5	-42	+21	+75	+119	+18	-5	-33	+18	+75	+90	+13
4	45	22	80	120	-6	4	35	19	80	90	-5
3	49	24	85	116	30	3	38	21	85	87	23
2	52	26	90	108	53	2	40	22	90	81	39
-1	56	28	95	95	73	-1	43	24	95	71	55
0	-60	+31	+100	+79	-90	0	-45	+26	+100	+59	-68

t	$n = 20$		$n = 22$		$n = 24$		$n = 26$		$n = 28$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
85	0	+1	0	+1	0	+1	0	+1	0	+1
80	0	1	0	1	0	1	0	1	0	+1
-75	-1	+1	-1	+1	0	+1	0	+1	0	+1
70	1	1	1	1	-1	1	-1	1	0	1
65	1	1	1	1	1	1	1	1	-1	1
60	1	1	1	1	1	1	1	1	1	1
55	1	1	1	1	1	1	1	1	1	1
-50	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
45	2	2	2	2	2	2	2	2	2	2
40	2	2	2	2	2	2	2	2	2	2
35	3	3	3	3	3	3	3	3	3	2
30	4	4	4	3	4	3	4	3	3	3
-25	-6	+5	-6	+4	-5	+4	-5	+4	-4	+4
20	9	6	8	6	7	5	6	5	6	5
15	13	8	11	8	10	7	8	6	7	6
10	19	11	16	10	13	9	11	8	9	8
-5	26	16	21	14	17	12	14	11	12	10
0	-35	+22	-27	+19	-22	+16	-17	+14	-14	+12
+5	42	29	32	25	25	21	20	18	16	15
10	45	38	34	31	27	26	21	22	17	19
15	44	47	34	38	26	31	20	26	16	22
20	39	56	30	45	23	36	18	30	14	25
+25	-31	+63	-24	+50	-18	+40	-14	+33	-11	+27
30	21	68	16	54	12	43	9	35	7	29
35	-9	71	-6	56	-4	45	-3	37	-2	30
40	+4	71	+4	56	+3	45	+3	37	+3	30
45	18	69	14	55	11	44	9	35	8	29
+50	+30	+64	+24	+51	+19	+41	+16	+33	+13	+27
55	42	57	33	45	26	36	21	29	17	24
60	52	48	41	38	33	30	26	24	22	20
65	60	37	47	29	38	23	30	19	25	15
70	66	24	52	19	41	15	33	12	27	10
+75	+69	+10	+54	+8	+43	+7	+35	+6	+28	+5
80	70	-4	55	-3	43	-2	35	-2	29	-1
85	67	17	53	13	42	11	34	8	28	7
90	62	30	49	24	39	19	31	15	26	12
95	55	42	43	33	34	26	28	21	23	17
+100	+45	-52	+36	-41	+29	-32	+23	-26	+19	-21

t	$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0
80	0	+1	-1	+1	0	0	0	+1	0	+1	0	+1
70	-1	1	1	1	0	+1	-1	1	0	1	0	1
60	1	1	1	1	-1	1	1	1	-1	1	-1	1
-50	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1	-1	+1
40	2	2	2	2	2	2	1	2	1	2	1	2
30	3	3	3	3	3	3	2	2	2	2	2	2
20	5	4	4	4	4	4	3	4	3	3	3	3
-10	8	7	7	6	6	6	5	5	5	5	4	4
0	-12	+11	-10	+10	-8	+9	-7	+8	-6	+7	-5	+6
+10	13	16	11	14	9	12	7	10	6	9	5	8
20	11	21	9	18	7	15	6	13	5	11	4	10
30	-6	24	-4	20	-3	18	-3	15	-2	13	-2	11
40	+2	25	+2	21	+2	18	+2	15	+2	13	+2	11
+50	+11	+22	+9	+19	+8	+16	+7	+13	+6	+11	+5	+10
60	18	17	15	14	13	12	11	10	9	9	8	7
70	22	+9	19	+7	16	+6	13	+5	11	+4	10	+4
80	24	-1	20	-1	16	-1	14	0	12	0	10	0
90	21	10	17	8	15	7	12	-6	11	-5	9	-4
+100	+15	-17	+12	-14	+11	-12	+9	-10	+8	-8	+7	-7

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-175	+53	-4.00	-574	+110	-2.20	-1911	+224
95	0	0	6.95	178	53	3.95	589	112	2.19	1928	225
90	0	0	6.90	181	54	3.90	605	114	2.18	1945	226
85	0	+1	6.85	184	54	3.85	621	115	2.17	1963	227
80	0	1	6.80	187	55	3.80	638	117	2.16	1980	229
-75	0	+1	-6.75	-190	+55	-3.75	-656	+119	-2.15	-1998	+230
70	0	1	6.70	193	56	3.70	674	121	2.14	2017	231
65	-1	1	6.65	196	56	3.65	693	123	2.13	2035	232
60	1	1	6.60	199	57	3.60	713	125	2.12	2054	233
55	1	1	6.55	202	58	3.55	733	128	2.11	2073	235
-50	-1	+2	-6.50	-206	+58	-3.50	-755	+130	-2.10	-2092	+236
45	2	2	6.45	209	59	3.45	778	132	2.09	2111	237
40	2	2	6.40	213	59	3.40	801	134	2.08	2131	238
35	3	3	6.35	216	60	3.35	826	137	2.07	2151	240
30	5	5	6.30	220	61	3.30	851	139	2.06	2172	241
-25.0	-8	+6	-6.25	-224	+61	-3.25	-878	+142	-2.05	-2192	+242
24.5	9	6	6.20	228	62	3.20	906	145	2.04	2213	244
24.0	9	7	6.15	232	63	3.15	936	148	2.03	2234	245
23.5	10	7	6.10	236	64	3.10	966	150	2.02	2256	246
23.0	10	7	6.05	240	64	3.05	999	153	2.01	2277	248
-22.5	-11	+8	-6.00	-244	+65	-3.00	-1033	+156	-2.00	-2299	+249
22.0	12	8	5.95	249	66	2.95	1068	160	1.99	2322	250
21.5	12	9	5.90	253	66	2.90	1105	163	1.98	2344	252
21.0	13	9	5.85	258	67	2.85	1144	166	1.97	2367	253
20.5	14	9	5.80	263	68	2.80	1186	170	1.96	2391	255
-20.0	-15	+10	-5.75	-268	+69	-2.75	-1229	+173	-1.95	-2415	+256
19.5	16	10	5.70	273	70	2.70	1275	177	1.94	2439	257
19.0	17	11	5.65	278	70	2.65	1324	181	1.93	2463	259
18.5	18	11	5.60	283	71	2.60	1375	185	1.92	2488	260
18.0	19	12	5.55	289	72	2.55	1429	189	1.91	2513	262
-17.5	-21	+13	-5.50	-294	+73	-2.50	-1486	+194	-1.90	-2538	+263
17.0	22	13	5.45	300	74	2.49	1498	194	1.89	2564	265
16.5	24	14	5.40	306	75	2.48	1510	195	1.88	2590	266
16.0	26	15	5.35	312	76	2.47	1522	196	1.87	2617	268
15.5	28	15	5.30	318	77	2.46	1534	197	1.86	2644	270
-15.0	-31	+16	-5.25	-325	+78	-2.45	-1547	+198	-1.85	-2671	+271
14.5	33	17	5.20	332	79	2.44	1559	199	1.84	2699	273
14.0	36	18	5.15	338	80	2.43	1572	200	1.83	2727	274
13.5	39	19	5.10	345	81	2.42	1585	201	1.82	2756	276
13.0	43	21	5.05	353	82	2.41	1598	202	1.81	2785	278
-12.5	-47	+22	-5.00	-360	+83	-2.40	-1611	+203	-1.80	-2815	+280
12.0	52	24	4.95	368	84	2.39	1624	204	1.79	2845	281
11.5	57	25	4.90	376	85	2.38	1638	205	1.78	2875	283
11.0	64	27	4.85	384	86	2.37	1651	206	1.77	2906	285
10.5	71	29	4.80	393	87	2.36	1665	207	1.76	2938	286
-10.0	-79	+31	-4.75	-402	+88	-2.35	-1679	+208	-1.75	-2970	+288
9.5	89	34	4.70	411	90	2.34	1693	209	1.74	3002	290
9.0	101	37	4.65	420	91	2.33	1708	210	1.73	3035	292
8.5	114	40	4.60	429	92	2.32	1722	211	1.72	3069	294
8.0	131	43	4.55	439	93	2.31	1737	212	1.71	3103	295
-7.50	-151	+48	-4.50	-450	+95	-2.30	-1752	+213	-1.70	-3138	+297
7.45	153	48	4.45	460	96	2.29	1767	214	1.69	3173	299
7.40	155	49	4.40	471	98	2.28	1782	215	1.68	3209	301
7.35	157	49	4.35	483	99	2.27	1797	216	1.67	3245	303
7.30	160	50	4.30	494	100	2.26	1813	217	1.66	3282	305
-7.25	-162	+50	-4.25	-507	+102	-2.25	-1829	+218	-1.65	-3319	+307
7.20	165	51	4.20	519	103	2.24	1845	219	1.64	3358	309
7.15	167	51	4.15	532	105	2.23	1861	221	1.63	3396	311
7.10	170	52	4.10	546	107	2.22	1877	222	1.62	3436	313
7.05	172	52	4.05	559	108	2.21	1894	223	1.61	3476	315
-7.00	-175	+53	-4.00	-574	+110	-2.20	-1911	+224	-1.60	-3517	+317

$$\bar{\omega} = 0.06$$

$$n = 0$$

Auxiliary Table

$$4\pi W_c \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.82020	+729	-0.05112	-106	+1.00	+48448	-1907	+1.60	+43650	-3547	
0.9	0.88241	844	0.03947	115	1.01	48308	1936	1.61	43607	3574	
0.8	0.95309	973	0.02897	124	1.02	48170	1964	1.62	43565	3600	
0.7	1.03353	1121	0.01971	134	1.03	48036	1993	1.63	43523	3626	
0.6	1.12520	1279	0.01179	147	1.04	47905	2022	1.64	43482	3652	
-0.5	+1.22968	+1449	-0.00534	-159	+1.05	+47777	-2051	+1.65	+43441	-3678	
0.4	1.34865	1620	-0.00048	173	1.06	47652	2080	1.66	43401	3704	
0.3	1.48379	1775	+0.00265	189	1.07	47530	2108	1.67	43362	3730	
0.2	1.63663	1904	0.00389	207	1.08	47411	2137	1.68	43323	3756	
-0.1	1.80843	1987	+0.00306	223	1.09	47295	2165	1.69	43285	3782	
0.0	+2.00000	+2015	0.00000	-242	+1.10	+47181	-2193	+1.70	+43247	-3808	
+0.1	2.21161	1983	-0.00548	260	1.11	47070	2222	1.71	43210	3834	
0.2	2.44295	1895	0.01356	278	1.12	46961	2250	1.72	43173	3860	
0.3	2.69316	1762	0.02442	295	1.13	46855	2278	1.73	43137	3886	
0.4	2.96094	1601	0.03823	309	1.14	46751	2306	1.74	43102	3912	
+0.5	+3.24471	+1428	-0.05513	-324	+1.15	+46649	-2334	+1.75	+43067	-3937	
0.6	3.54276	1255	0.07527	338	1.16	46549	2362	1.76	43032	3963	
0.7	3.85337	1088	0.09879	348	1.17	46452	2390	1.77	42998	3989	
0.8	4.17489	938	0.12579	359	1.18	46357	2418	1.78	42965	4015	
0.9	4.50582	805	0.15638	368	1.19	46263	2445	1.79	42932	4041	
+1.0	+4.84483	+687	-0.19065	-375	+1.20	+46172	-2473	+1.80	+42899	-4066	
					1.21	46082	2501	1.81	42867	4092	
					1.22	45995	2529	1.82	42835	4118	
					1.23	45909	2556	1.83	42804	4144	
					1.24	45825	2584	1.84	42773	4169	
					+1.25	+45743	-2611	+1.85	+42742	-4195	
					1.26	45662	2638	1.86	42712	4221	
					1.27	45583	2666	1.87	42682	4246	
					1.28	45505	2693	1.88	42653	4272	
					1.29	45429	2720	1.89	42624	4297	
-1.60	-3517	+317	-1.30	-5158	+394	+1.30	+45355	-2748	+1.90	+42595	-4323
1.59	3559	319	1.29	5231	397	1.31	45282	2775	1.91	42567	4349
1.58	3601	322	1.28	5305	400	1.32	45210	2802	1.92	42539	4374
1.57	3644	324	1.27	5381	403	1.33	45140	2829	1.93	42512	4400
1.56	3688	326	1.26	5458	407	1.34	45071	2856	1.94	42485	4425
-1.55	-3732	+328	-1.25	-5537	+410	+1.35	+45003	-2883	+1.95	+42458	-4451
1.54	3778	330	1.24	5618	413	1.36	44937	2910	1.96	42431	4476
1.53	3824	333	1.23	5700	417	1.37	44871	2937	1.97	42405	4502
1.52	3871	335	1.22	5784	420	1.38	44807	2964	1.98	42379	4527
1.51	3919	337	1.21	5870	424	1.39	44745	2991	1.99	42354	4552
-1.50	-3967	+340	-1.20	-5958	+427	+1.40	+44683	-3018	+2.00	+42328	-4578
1.49	4017	342	1.19	6047	431	1.41	44622	3044	2.01	42303	4603
1.48	4067	345	1.18	6139	435	1.42	44563	3071	2.02	42279	4629
1.47	4119	347	1.17	6232	438	1.43	44504	3098	2.03	42254	4654
1.46	4171	349	1.16	6328	442	1.44	44447	3125	2.04	42230	4679
-1.45	-4224	+352	-1.15	-6426	+446	+1.45	+44391	-3151	+2.05	+42206	-4705
1.44	4278	355	1.14	6526	450	1.46	44335	3178	2.06	42183	4730
1.43	4334	357	1.13	6628	454	1.47	44281	3205	2.07	42160	4755
1.42	4390	360	1.12	6733	458	1.48	44227	3231	2.08	42137	4780
1.41	4448	362	1.11	6840	462	1.49	44175	3258	2.09	42114	4806
-1.40	-4506	+365	-1.10	-6950	+466	+1.50	+44123	-3284	+2.10	+42091	-4831
1.39	4566	368	1.09	7062	470	1.51	44072	3311	2.11	42069	4856
1.38	4627	371	1.08	7177	474	1.52	44022	3337	2.12	42047	4881
1.37	4689	373	1.07	7294	479	1.53	43973	3363	2.13	42025	4907
1.36	4752	376	1.06	7415	483	1.54	43924	3390	2.14	42004	4932
-1.35	-4816	+379	-1.05	-7538	+488	+1.55	+43877	-3416	+2.15	+41982	-4957
1.34	4882	382	1.04	7665	492	1.56	43830	3442	2.16	41961	4982
1.33	4949	385	1.03	7794	497	1.57	43784	3469	2.17	41940	5007
1.32	5017	388	1.02	7927	502	1.58	43739	3495	2.18	41920	5033
1.31	5087	391	1.01	8063	506	1.59	43694	3521	2.19	41899	5058
-1.30	-5158	+394	-1.00	-8202	+511	+1.60	+43650	-3547	+2.20	+41879	-5083

$$\mathcal{R}4\pi W_c = (A/t) - 2\bar{\omega}^2 t \ln|t|$$

$$\mathcal{I}4\pi W_c = (B/t) - 2\bar{\omega} \ln|t|$$

$$4\pi W_c \times 10^4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-1.60	-3517	+317	-1.30	-5158	+394
1.59	3559	319	1.29	5231	397
1.58	3601	322	1.28	5305	400
1.57	3644	324	1.27	5381	403
1.56	3688	326	1.26	5458	407
-1.55	-3732	+328	-1.25	-5537	+410
1.54	3778	330	1.24	5618	413
1.53	3824	333	1.23	5700	417
1.52	3871	335	1.22	5784	420
1.51	3919	337	1.21	5870	424
-1.50	-3967	+340	-1.20	-5958	+427
1.49	4017	342	1.19	6047	431
1.48	4067	345	1.18	6139	435
1.47	4119	347	1.17	6232	438
1.46	4171	349	1.16	6328	442
-1.45	-4224	+352	-1.15	-6426	+446
1.44	4278	355	1.14	6526	450
1.43	4334	357	1.13	6628	454
1.42	4390	360	1.12	6733	458
1.41	4448	362	1.11	6840	462
-1.40	-4506	+365	-1.10	-6950	+466
1.39	4566	368	1.09	7062	470
1.38	4627	371	1.08	7177	474
1.37	4689	373	1.07	7294	479
1.36	4752	376	1.06	7415	483
-1.35	-4816	+379	-1.05	-7538	+488
1.34	4882	382	1.04	7665	492
1.33	4949	385	1.03	7794	497
1.32	5017	388	1.02	7927	502
1.31	5087	391	1.01	8063	506
-1.30	-5158	+394	-1.00	-8202	+511
+1.60	+43650	-3547	+2.20	+41879	-5083

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+2.20	+41879	-5083	+4.00	+39737	-9474	+9.0	+34682	-20693	+15.0	+25093	-31567
2.21	41859	5108	4.05	39694	9593	9.1	34555	20901	15.1	24903	31717
2.22	41839	5133	4.10	39651	9712	9.2	34426	21107	15.2	24712	31866
2.23	41819	5158	4.15	39607	9831	9.3	34296	21314	15.3	24519	32013
2.24	41800	5183	4.20	39564	9950	9.4	34165	21519	15.4	24326	32160
+2.25	+41781	-5208	+4.25	+39522	-10068	+9.5	+34033	-21724	+15.5	+24132	-32305
2.26	41762	5233	4.30	39479	10187	9.6	33900	21927	15.6	23938	32449
2.27	41743	5258	4.35	39436	10305	9.7	33766	22130	15.7	23742	32592
2.28	41724	5283	4.40	39393	10423	9.8	33630	22333	15.8	23545	32734
2.29	41706	5308	4.45	39350	10542	9.9	33494	22534	15.9	23348	32875
+2.30	+41687	-5334	+4.50	+39308	-10660	+10.0	+33356	-22735	+16.0	+23150	-33014
2.31	41669	5359	4.55	39265	10777	10.1	33217	22934	16.1	22951	33153
2.32	41651	5384	4.60	39222	10895	10.2	33077	23133	16.2	22751	33290
2.33	41633	5408	4.65	39179	11013	10.3	32936	23331	16.3	22550	33426
2.34	41615	5433	4.70	39137	11130	10.4	32793	23528	16.4	22349	33560
+2.35	+41598	-5458	+4.75	+39094	-11248	+10.5	+32650	-23725	+16.5	+22147	-33694
2.36	41581	5483	4.80	39051	11365	10.6	32505	23920	16.6	21944	33826
2.37	41563	5508	4.85	39008	11482	10.7	32359	24115	16.7	21740	33957
2.38	41546	5533	4.90	38965	11599	10.8	32212	24308	16.8	21535	34087
2.39	41529	5558	4.95	38922	11716	10.9	32064	24501	16.9	21330	34216
+2.40	+41513	-5583	+5.0	+38878	-11832	+11.0	+31915	-24693	+17.0	+21124	-34343
2.41	41496	5608	5.1	38791	12005	11.1	31765	24884	17.1	20917	34469
2.42	41479	5633	5.2	38704	12208	11.2	31614	25074	17.2	20709	34594
2.43	41463	5658	5.3	38616	12530	11.3	31461	25264	17.3	20501	34718
2.44	41447	5683	5.4	38527	12761	11.4	31308	25452	17.4	20292	34840
+2.45	+41431	-5708	+5.5	+38438	-12992	+11.5	+31153	-25639	+17.5	+20082	-34961
2.46	41415	5732	5.6	38348	13222	11.6	30998	25826	17.6	19872	35081
2.47	41399	5757	5.7	38257	13452	11.7	30841	26011	17.7	19661	35200
2.48	41383	5782	5.8	38165	13681	11.8	30683	26196	17.8	19449	35317
2.49	41368	5807	5.9	38072	13910	11.9	30524	26380	17.9	19236	35433
+2.50	+41352	-5832	+6.0	+37979	-14138	+12.0	+30364	-26562	+18.0	+19023	-35548
2.55	41277	5956	6.1	37884	14366	12.1	30203	26744	18.1	18809	35661
2.60	41204	6079	6.2	37789	14593	12.2	30041	26925	18.2	18594	35773
2.65	41134	6203	6.3	37693	14819	12.3	29878	27104	18.3	18379	35884
2.70	41066	6326	6.4	37595	15045	12.4	29713	27283	18.4	18163	35994
+2.75	+41001	-6449	+6.5	+37497	-15271	+12.5	+29548	-27461	+18.5	+17946	-36102
2.80	40937	6572	6.6	37398	15495	12.6	29382	27638	18.6	17729	36209
2.85	40876	6695	6.7	37297	15719	12.7	29215	27813	18.7	17511	36315
2.90	40815	6817	6.8	37196	15943	12.8	29046	27988	18.8	17293	36419
2.95	40757	6940	6.9	37093	16166	12.9	28877	28162	18.9	17074	36523
+3.00	+40700	-7062	+7.0	+36990	-16388	+13.0	+28706	-28335	+19.0	+16854	-36624
3.05	40644	7184	7.1	36885	16610	13.1	28535	28507	19.1	16634	36725
3.10	40590	7306	7.2	36779	16830	13.2	28363	28677	19.2	16413	36824
3.15	40537	7428	7.3	36673	17051	13.3	28189	28847	19.3	16191	36922
3.20	40484	7549	7.4	36565	17271	13.4	28015	29016	19.4	15969	37018
+3.25	+40433	-7671	+7.5	+36456	-17490	+13.5	+27839	-29183	+19.5	+15746	-37113
3.30	40382	7792	7.6	36345	17708	13.6	27663	29350	19.6	15523	37207
3.35	40333	7913	7.7	36234	17926	13.7	27486	29515	19.7	15299	37300
3.40	40284	8034	7.8	36122	18143	13.8	27307	29679	19.8	15075	37391
3.45	40236	8154	7.9	36008	18359	13.9	27128	29843	19.9	14850	37481
+3.50	+40188	-8275	+8.0	+35893	-18575	+14.0	+26948	-30005	+20.0	+14625	-37569
3.55	40141	8396	8.1	35777	18790	14.1	26766	30166	20.1	14399	37656
3.60	40095	8516	8.2	35660	19004	14.2	26584	30326	20.2	14172	37742
3.65	40049	8636	8.3	35542	19218	14.3	26401	30485	20.3	13945	37826
3.70	40003	8756	8.4	35423	19431	14.4	26217	30643	20.4	13718	37909
+3.75	+39958	-8876	+8.5	+35302	-19643	+14.5	+26032	-30800	+20.5	+13490	-37991
3.80	39913	8996	8.6	35181	19854	14.6	25846	30955	20.6	13262	38071
3.85	39869	9116	8.7	35058	20065	14.7	25659	31110	20.7	13033	38150
3.90	39825	9235	8.8	34934	20275	14.8	25472	31263	20.8	12803	38227
3.95	39781	9355	8.9	34809	20484	14.9	25283	31416	20.9	12574	38304
+4.00	+39737	-9474	+9.0	+34682	-20693	+15.0	+25093	-31567	+21.0	+12343	-38378

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+21.0	+12343	-38378	+27.0	-1976	-40265	+33.0	-16038	-36986	+39.0	-28042	-28965
21.1	12113	38452	27.1	2218	40252	33.1	16260	36889	39.1	28215	28796
21.2	11881	38524	27.2	2459	40238	33.2	16481	36791	39.2	28388	28627
21.3	11650	38594	27.3	2701	40223	33.3	16701	36692	39.3	28559	28456
21.4	11418	38663	27.4	2942	40206	33.4	16921	36591	39.4	28729	28284
+21.5	+11186	-38731	+27.5	-3184	-40187	+33.5	-17141	-36489	+39.5	-28898	-28111
21.6	10953	38798	27.6	3425	40167	33.6	17359	36385	39.6	29066	27937
21.7	10720	38863	27.7	3666	40146	33.7	17577	36280	39.7	29234	27762
21.8	10486	38926	27.8	3907	40123	33.8	17795	36174	39.8	29400	27586
21.9	10252	38989	27.9	4147	40099	33.9	18012	36067	39.9	29565	27409
+22.0	+10018	-39049	+28.0	-4388	-40074	+34.0	-18228	-35958	+40.0	-29729	-27232
22.1	9783	39109	28.1	4628	40047	34.1	18443	35848	40.1	29891	27053
22.2	9548	39167	28.2	4869	40018	34.2	18658	35737	40.2	30053	26873
22.3	9313	39223	28.3	5109	39988	34.3	18872	35624	40.3	30214	26692
22.4	9077	39279	28.4	5349	39957	34.4	19086	35510	40.4	30374	26510
+22.5	+8841	-39332	+28.5	-5588	-39924	+34.5	-19298	-35395	+40.5	-30532	-26328
22.6	8605	39385	28.6	5828	39890	34.6	19510	35279	40.6	30690	26144
22.7	8368	39436	28.7	6067	39854	34.7	19722	35161	40.7	30846	25959
22.8	8131	39485	28.8	6306	39817	34.8	19932	35042	40.8	31001	25774
22.9	7894	39533	28.9	6545	39778	34.9	20142	34922	40.9	31155	25587
+23.0	+7656	-39580	+29.0	-6784	-39738	+35.0	-20352	-34800	+41.0	-31308	-25400
23.1	7419	39625	29.1	7022	39697	35.1	20560	34678	41.1	31460	25212
23.2	7181	39669	29.2	7260	39654	35.2	20768	34554	41.2	31611	25022
23.3	6942	39711	29.3	7498	39610	35.3	20975	34428	41.3	31761	24832
23.4	6704	39752	29.4	7736	39564	35.4	21181	34302	41.4	31909	24641
+23.5	+6465	-39792	+29.5	-7973	-39517	+35.5	-21387	-34174	+41.5	-32056	-24449
23.6	6226	39830	29.6	8210	39468	35.6	21591	34045	41.6	32202	24257
23.7	5987	39866	29.7	8447	39418	35.7	21795	33915	41.7	32347	24063
23.8	5747	39902	29.8	8683	39367	35.8	21998	33784	41.8	32491	23868
23.9	5508	39935	29.9	8920	39314	35.9	22201	33651	41.9	32634	23673
+24.0	+5268	-39968	+30.0	-9155	-39260	+36.0	-22402	-33517	+42.0	-32775	-23477
24.1	5028	39999	30.1	9391	39204	36.1	22603	33382	42.1	32916	23280
24.2	4787	40028	30.2	9626	39147	36.2	22803	33246	42.2	33055	23082
24.3	4547	40056	30.3	9861	39089	36.3	23002	33109	42.3	33193	22883
24.4	4306	40083	30.4	10095	39029	36.4	23200	32970	42.4	33329	22683
+24.5	+4066	-40108	+30.5	-10329	-38968	+36.5	-23398	-32830	+42.5	-33465	-22483
24.6	3825	40132	30.6	10563	38905	36.6	23594	32689	42.6	33599	22282
24.7	3584	40154	30.7	10796	38841	36.7	23790	32547	42.7	33732	22080
24.8	3343	40175	30.8	11029	38775	36.8	23985	32404	42.8	33864	21877
24.9	3102	40194	30.9	11262	38708	36.9	24179	32259	42.9	33995	21674
+25.0	+2860	-40212	+31.0	-11494	-38640	+37.0	-24372	-32114	+43.0	-34124	-21469
25.1	2619	40228	31.1	11725	38571	37.1	24564	31967	43.1	34253	21264
25.2	2377	40243	31.2	11957	38499	37.2	24756	31819	43.2	34380	21058
25.3	2136	40257	31.3	12188	38427	37.3	24946	31670	43.3	34505	20851
25.4	1894	40269	31.4	12418	38353	37.4	25136	31520	43.4	34630	20644
+25.5	+1652	-40279	+31.5	-12648	-38278	+37.5	-25325	-31368	+43.5	-34753	-20436
25.6	1410	40289	31.6	12877	38201	37.6	25512	31216	43.6	34875	20227
25.7	1168	40296	31.7	13106	38123	37.7	25699	31062	43.7	34996	20017
25.8	927	40303	31.8	13335	38044	37.8	25885	30907	43.8	35116	19807
25.9	685	40308	31.9	13563	37963	37.9	26070	30752	43.9	35234	19596
+26.0	+443	-40311	+32.0	-13791	-37881	+38.0	-26254	-30595	+44.0	-35351	-19384
26.1	201	40313	32.1	14018	37798	38.1	26437	30436	44.1	35466	19172
26.2	41	40313	32.2	14244	37713	38.2	26620	30277	44.2	35581	18959
26.3	283	40312	32.3	14471	37627	38.3	26801	30117	44.3	35694	18745
26.4	525	40310	32.4	14696	37540	38.4	26981	29956	44.4	35806	18530
+26.5	+767	-40306	+32.5	-14921	-37451	+38.5	-27160	-29793	+44.5	-35916	-18315
26.6	1009	40301	32.6	15146	37361	38.6	27339	29630	44.6	36026	18099
26.7	1251	40294	32.7	15370	37269	38.7	27516	29465	44.7	36134	17883
26.8	1493	40286	32.8	15593	37176	38.8	27692	29300	44.8	36240	17666
26.9	1735	40276	32.9	15816	37082	38.9	27868	29133	44.9	36346	17448
+27.0	+1976	-40265	+33.0	-16038	-36986	+39.0	-28042	-28965	+45.0	-36450	-17230

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 0$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
+45.0	-36450	-17230	+51.0	-40184	-3285	+57.0	-38766	+11082	+63.0	-32377	+24028
45.1	36552	17011	51.1	40203	3043	57.1	38699	11314	63.1	32233	24221
45.2	36654	16791	51.2	40220	2802	57.2	38630	11546	63.2	32087	24414
45.3	36754	16571	51.3	40236	2561	57.3	38560	11778	63.3	31940	24606
45.4	36853	16350	51.4	40251	2319	57.4	38489	12009	63.4	31792	24798
+45.5	-36950	-16129	+51.5	-40264	-2078	+57.5	-38416	+12240	+63.5	-31642	+24988
45.6	37046	15907	51.6	40276	1836	57.6	38342	12470	63.6	31492	25177
45.7	37141	15684	51.7	40286	1594	57.7	38266	12700	63.7	31340	25366
45.8	37235	15461	51.8	40295	1353	57.8	38189	12929	63.8	31187	25553
45.9	37327	15237	51.9	40303	1111	57.9	38111	13158	63.9	31033	25740
+46.0	-37417	-15013	+52.0	-40309	-869	+58.0	-38032	+13386	+64.0	-30878	+25926
46.1	37507	14788	52.1	40313	627	58.1	37951	13614	64.1	30722	26111
46.2	37595	14563	52.2	40316	385	58.2	37868	13842	64.2	30565	26295
46.3	37682	14337	52.3	40318	143	58.3	37784	14069	64.3	30407	26477
46.4	37767	14111	52.4	40318	+99	58.4	37699	14295	64.4	30247	26659
+46.5	-37851	-13884	+52.5	-40317	+340	+58.5	-37613	+14521	+64.5	-30087	+26840
46.6	37934	13656	52.6	40314	582	58.6	37525	14746	64.6	29925	27020
46.7	38015	13429	52.7	40310	824	58.7	37436	14971	64.7	29763	27200
46.8	38095	13200	52.8	40304	1066	58.8	37346	15196	64.8	29599	27378
46.9	38173	12971	52.9	40297	1308	58.9	37254	15420	64.9	29434	27555
+47.0	-38251	-12742	+53.0	-40288	+1550	+59.0	-37161	+15643	+65.0	-29268	+27731
47.1	38326	12512	53.1	40278	1791	59.1	37066	15865	65.1	29101	27906
47.2	38401	12282	53.2	40267	2033	59.2	36970	16088	65.2	28933	28080
47.3	38474	12052	53.3	40254	2274	59.3	36873	16309	65.3	28764	28253
47.4	38545	11821	53.4	40240	2516	59.4	36775	16530	65.4	28594	28425
+47.5	-38616	-11589	+53.5	-40224	+2757	+59.5	-36675	+16750	+65.5	-28423	+28596
47.6	38685	11357	53.6	40206	2999	59.6	36574	16970	65.6	28251	28766
47.7	38752	11125	53.7	40188	3240	59.7	36471	17189	65.7	28078	28935
47.8	38818	10892	53.8	40168	3481	59.8	36367	17408	65.8	27904	29103
47.9	38883	10659	53.9	40146	3722	59.9	36262	17626	65.9	27729	29270
+48.0	-38946	-10426	+54.0	-40123	+3963	+60.0	-36156	+17843	+66.0	-27553	+29436
48.1	39008	10192	54.1	40098	4203	60.1	36048	18060	66.1	27376	29601
48.2	39068	9957	54.2	40073	4444	60.2	35939	18275	66.2	27198	29765
48.3	39127	9723	54.3	40045	4684	60.3	35829	18491	66.3	27019	29927
48.4	39185	9488	54.4	40016	4924	60.4	35717	18705	66.4	26838	30089
+48.5	-39241	-9253	+54.5	-39986	+5164	+60.5	-35604	+18919	+66.5	-26657	+30249
48.6	39296	9017	54.6	39954	5404	60.6	35490	19133	66.6	26476	30409
48.7	39350	8781	54.7	39921	5644	60.7	35375	19345	66.7	26293	30567
48.8	39402	8545	54.8	39887	5883	60.8	35258	19557	66.8	26109	30724
48.9	39452	8308	54.9	39851	6122	60.9	35140	19768	66.9	25924	30880
+49.0	-39501	-8071	+55.0	-39813	+6361	+61.0	-35021	+19979	+67.0	-25738	+31035
49.1	39549	7834	55.1	39774	6600	61.1	34900	20189	67.1	25552	31189
49.2	39595	7597	55.2	39734	6839	61.2	34779	20398	67.2	25364	31342
49.3	39640	7359	55.3	39692	7077	61.3	34656	20606	67.3	25175	31494
49.4	39684	7121	55.4	39649	7315	61.4	34531	20814	67.4	24986	31644
+49.5	-39726	-6883	+55.5	-39605	+7553	+61.5	-34406	+21020	+67.5	-24796	+31793
49.6	39766	6644	55.6	39559	7790	61.6	34279	21226	67.6	24605	31942
49.7	39805	6406	55.7	39511	8027	61.7	34151	21432	67.7	24412	32089
49.8	39843	6167	55.8	39462	8264	61.8	34022	21636	67.8	24219	32235
49.9	39879	5928	55.9	39412	8501	61.9	33892	21840	67.9	24026	32379
+50.0	-39914	-5688	+56.0	-39360	+8737	+62.0	-33760	+22043	+68.0	-23831	+32523
50.1	39948	5449	56.1	39307	8973	62.1	33627	22245	68.1	23635	32665
50.2	39980	5209	56.2	39253	9209	62.2	33493	22446	68.2	23439	32807
50.3	40010	4969	56.3	39197	9444	62.3	33358	22647	68.3	23242	32947
50.4	40039	4729	56.4	39139	9679	62.4	33221	22847	68.4	23044	33085
+50.5	-40067	-4488	+56.5	-39081	+9914	+62.5	-33084	+23046	+68.5	-22845	+33223
50.6	40093	4248	56.6	39020	10148	62.6	32945	23244	68.6	22645	33360
50.7	40118	4007	56.7	38959	10382	62.7	32805	23441	68.7	22444	33495
50.8	40141	3766	56.8	38896	10616	62.8	32663	23637	68.8	22243	33629
50.9	40163	3526	56.9	38831	10849	62.9	32521	23833	68.9	22041	33762
+51.0	-40184	-3285	+57.0	-38766	+11082	+63.0	-32377	+24028	+69.0	-21838	+33893

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+69.0	-21838	+33893	+75.0	-8499	+39414	+81.0	+5930	+39881	+87.0	+19599	+35236
69.1	21634	34024	75.1	8262	39464	81.1	6169	39844	87.1	19810	35117
69.2	21430	34153	75.2	8025	39513	81.2	6408	39807	87.2	20020	34998
69.3	21224	34281	75.3	7788	39560	81.3	6647	39768	87.3	20230	34877
69.4	21018	34408	75.4	7551	39606	81.4	6886	39727	87.4	20439	34755
+69.5	-20811	+34533	+75.5	-7313	+39651	+81.5	+7124	+39685	+87.5	+20647	+34632
69.6	20604	34657	75.6	7075	39694	81.6	7362	39642	87.6	20854	34507
69.7	20396	34780	75.7	6836	39736	81.7	7599	39597	87.7	21061	34382
69.8	20187	34902	75.8	6598	39776	81.8	7837	39550	87.8	21267	34255
69.9	19977	35023	75.9	6359	39815	81.9	8074	39503	87.9	21472	34126
+70.0	-19766	+35142	+76.0	-6120	+39852	+82.0	+8311	+39453	+88.0	+21677	+33997
70.1	19555	35260	76.1	5881	39888	82.1	8547	39403	88.1	21880	33866
70.2	19343	35377	76.2	5641	39923	82.2	8784	39351	88.2	22083	33734
70.3	19131	35492	76.3	5402	39956	82.3	9020	39298	88.3	22285	33601
70.4	18917	35606	76.4	5162	39987	82.4	9255	39243	88.4	22486	33467
+70.5	-18703	+35719	+76.5	-4922	+40018	+82.5	+9491	+39187	+88.5	+22687	+33331
70.6	18489	35831	76.6	4682	40047	82.6	9725	39129	88.6	22886	33195
70.7	18273	35941	76.7	4441	40074	82.7	9960	39070	88.7	23085	33057
70.8	18057	36050	76.8	4201	40100	82.8	10194	39009	88.8	23283	32918
70.9	17841	36158	76.9	3960	40124	82.9	10428	38948	88.9	23480	32777
+71.0	-17624	+36264	+77.0	-3719	+40147	+83.0	+10662	+38884	+89.0	+23676	+32636
71.1	17406	36369	77.1	3478	40169	83.1	10895	38820	89.1	23872	32493
71.2	17187	36473	77.2	3237	40189	83.2	11127	38754	89.2	24066	32349
71.3	16968	36575	77.3	2996	40208	83.3	11360	38686	89.3	24260	32204
71.4	16748	36676	77.4	2755	40225	83.4	11592	38617	89.4	24453	32058
+71.5	-16528	+36776	+77.5	-2514	+40241	+83.5	+11823	+38547	+89.5	+24644	+31911
71.6	16307	36875	77.6	2272	40255	83.6	12054	38475	89.6	24835	31763
71.7	16086	36972	77.7	2030	40268	83.7	12285	38402	89.7	25026	31613
71.8	15863	37068	77.8	1789	40280	83.8	12515	38328	89.8	25215	31462
71.9	15641	37162	77.9	1547	40290	83.9	12745	38252	89.9	25403	31310
+72.0	-15417	+37255	+78.0	-1305	+40298	+84.0	+12974	+38175	+90.0	+25591	+31157
72.1	15194	37347	78.1	1064	40305	84.1	13203	38097	90.1	25777	31003
72.2	14969	37438	78.2	822	40311	84.2	13431	38017	90.2	25963	30848
72.3	14744	37527	78.3	580	40315	84.3	13659	37935	90.3	26147	30692
72.4	14519	37615	78.4	338	40318	84.4	13886	37853	90.4	26331	30534
+72.5	-14293	+37701	+78.5	-96	+40319	+84.5	+14113	+37769	+90.5	+26514	+30376
72.6	14067	37786	78.6	146	40319	84.6	14340	37683	90.6	26695	30216
72.7	13840	37870	78.7	388	40317	84.7	14565	37597	90.7	26876	30055
72.8	13612	37952	78.8	630	40314	84.8	14791	37509	90.8	27056	29894
72.9	13384	38033	78.9	872	40310	84.9	15016	37419	90.9	27235	29731
+73.0	-13156	+38113	+79.0	+1113	+40304	+85.0	+15240	+37328	+91.0	+27413	+29567
73.1	12927	38191	79.1	1355	40296	85.1	15463	37236	91.1	27590	29402
73.2	12698	38268	79.2	1597	40288	85.2	15687	37143	91.2	27766	29236
73.3	12468	38343	79.3	1839	40277	85.3	15909	37048	91.3	27940	29069
73.4	12237	38418	79.4	2080	40265	85.4	16131	36952	91.4	28114	28900
+73.5	-12007	+38490	+79.5	+2322	+40252	+85.5	+16353	+36854	+91.5	+28287	+28731
73.6	11776	38562	79.6	2563	40238	85.6	16573	36756	91.6	28459	28561
73.7	11544	38632	79.7	2805	40222	85.7	16794	36656	91.7	28630	28390
73.8	11312	38700	79.8	3046	40204	85.8	17013	36554	91.8	28800	28218
73.9	11080	38767	79.9	3287	40185	85.9	17232	36451	91.9	28969	28044
+74.0	-10847	+38833	+80.0	+3528	+40165	+86.0	+17451	+36347	+92.0	+29136	+27870
74.1	10614	38897	80.1	3769	40143	86.1	17669	36242	92.1	29303	27695
74.2	10380	38960	80.2	4010	40119	86.2	17886	36135	92.2	29469	27518
74.3	10146	39022	80.3	4251	40095	86.3	18102	36027	92.3	29633	27341
74.4	9912	39082	80.4	4491	40068	86.4	18318	35918	92.4	29797	27163
+74.5	-9677	+39141	+80.5	+4731	+40041	+86.5	+18533	+35808	+92.5	+29959	+26983
74.6	9442	39198	80.6	4971	40012	86.6	18748	35696	92.6	30120	26803
74.7	9207	39254	80.7	5211	39981	86.7	18962	35583	92.7	30281	26622
74.8	8971	39309	80.8	5451	39949	86.8	19175	35468	92.8	30440	26440
74.9	8735	39362	80.9	5691	39916	86.9	19387	35353	92.9	30598	26257
+75.0	-8499	+39414	+81.0	+5930	+39881	+87.0	+19599	+35236	+93.0	+30755	+26073

$$\bar{\omega} = 0.06$$

$$4\pi W_e \times 10^4$$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+93.0	+30755	+26073	+99.0	+37968	+13567	-100	0	0	-6.5	-191	+56
93.1	30911	25888	99.1	38049	13339	95	0	0	6.4	197	57
93.2	31066	25702	99.2	38128	13111	90	0	0	6.3	204	59
93.3	31219	25515	99.3	38206	12882	85	0	0	6.2	210	60
93.4	31372	25327	99.4	38283	12652	80	0	+1	6.1	217	61
+93.5	+31523	+25138	+99.5	+38358	+12422	-75	0	+1	-6.0	-225	+63
93.6	31673	24949	99.6	38432	12192	70	0	1	5.9	232	64
93.7	31822	24758	99.7	38504	11961	65	-1	1	5.8	240	65
93.8	31970	24567	99.8	38575	11730	60	1	1	5.7	249	67
93.9	32117	24375	99.9	38645	11498	55	1	1	5.6	257	68
+94.0	+32263	+24182	+100.0	+38713	+11266	-50	-1	+1	-5.5	-267	+70
94.1	32407	23988				45	2	2	5.4	276	71
94.2	32551	23793				40	2	2	5.3	287	73
94.3	32693	23597				35	3	3	5.2	298	75
94.4	32834	23400				30	5	4	5.1	309	77
+94.5	+32974	+23203				-25.0	-8	+7	-5.0	-321	+79
94.6	33112	23005				24.5	9	7	4.9	333	81
94.7	33250	22806				24.0	9	7	4.8	347	83
94.8	33386	22606				23.5	10	7	4.7	361	85
94.9	33521	22405				23.0	10	8	4.6	375	87
+95.0	+33655	+22203				-22.5	-11	+8	-4.5	-391	+89
95.1	33787	22001				22.0	12	8	4.4	408	92
95.2	33919	21798				21.5	12	9	4.3	425	94
95.3	34049	21594				21.0	13	9	4.2	444	97
95.4	34178	21389				20.5	14	9	4.1	464	100
+95.5	+34306	+21184				-20.0	-15	+10	-4.0	-485	+102
95.6	34432	20978				19.5	16	10	3.9	508	105
95.7	34557	20771				19.0	17	11	3.8	531	108
95.8	34681	20563				18.5	18	11	3.7	557	112
95.9	34804	20355				18.0	19	12	3.6	584	115
+96.0	+34926	+20145				-17.5	-21	+12	-3.5	-613	+119
96.1	35046	19935				17.0	22	13	3.4	644	122
96.2	35165	19725				16.5	24	14	3.3	677	126
96.3	35282	19513				16.0	26	15	3.2	713	131
96.4	35399	19301				15.5	28	15	3.1	751	135
+96.5	+35514	+19089				-15.0	-30	+16	-3.0	-792	+140
96.6	35628	18875				14.5	32	17	2.9	836	144
96.7	35741	18661				14.0	35	18	2.8	884	150
96.8	35852	18446				13.5	38	19	2.7	935	155
96.9	35962	18231				13.0	42	20	2.6	991	161
+97.0	+36071	+18015				-12.5	-46	+22	-2.50	-1051	+167
97.1	36178	17798				12.0	51	23	2.49	1057	168
97.2	36284	17581				11.5	56	25	2.48	1063	168
97.3	36389	17363				11.0	62	27	2.47	1070	169
97.4	36493	17144				10.5	69	29	2.46	1076	170
+97.5	+36595	+16925				-10.0	-76	+31	-2.45	-1083	+170
97.6	36696	16705				9.5	86	33	2.44	1089	171
97.7	36795	16484				9.0	96	36	2.43	1096	172
97.8	36894	16263				8.5	109	39	2.42	1102	172
97.9	36990	16042				8.0	124	42	2.41	1109	173
+98.0	+37086	+15819				-7.5	-142	+46	-2.40	-1116	+174
98.1	37180	15597				7.4	146	47	2.39	1123	174
98.2	37273	15373				7.3	150	48	2.38	1129	175
98.3	37365	15149				7.2	155	49	2.37	1136	176
98.4	37455	14925				7.1	159	50	2.36	1143	176
+98.5	+37544	+14700				-7.0	-164	+51	-2.35	-1150	+177
98.6	37631	14474				6.9	169	52	2.34	1157	178
98.7	37718	14248				6.8	174	53	2.33	1165	178
98.8	37802	14022				6.7	180	54	2.32	1172	179
98.9	37886	13795				6.6	185	55	2.31	1179	180
+99.0	+37968	+13567				-6.5	-191	+56	-2.30	-1186	+180

$$\bar{\omega} = 0.06$$

$$n = 2$$

$$4\pi W_c \times 10^4$$

t	R	I	t	R	I	t	R	I	t	R	I
-2.30	-1186	+180	-1.70	-1764	+233	-1.10	-2763	+312	-0.50	-4497	+441
2.29	1194	181	1.69	1777	234	1.09	2785	314	0.49	4534	443
2.28	1201	182	1.68	1789	235	1.08	2807	316	0.48	4571	446
2.27	1209	183	1.67	1802	236	1.07	2830	317	0.47	4608	449
2.26	1216	183	1.66	1815	237	1.06	2852	319	0.46	4645	451
-2.25	-1224	+184	-1.65	-1828	+238	-1.05	-2875	+321	-0.45	-4683	+454
2.24	1232	185	1.64	1841	239	1.04	2898	323	0.44	4721	457
2.23	1239	185	1.63	1854	240	1.03	2921	324	0.43	4759	460
2.22	1247	186	1.62	1867	241	1.02	2945	326	0.42	4797	463
2.21	1255	187	1.61	1881	242	1.01	2968	328	0.41	4836	466
-2.20	-1263	+188	-1.60	-1894	+244	-1.00	-2992	+330	-0.40	-4875	+469
2.19	1271	188	1.59	1908	245	0.99	3016	331	0.39	4914	472
2.18	1279	189	1.58	1922	246	0.98	3040	333	0.38	4953	474
2.17	1288	190	1.57	1936	247	0.97	3065	335	0.37	4992	477
2.16	1296	191	1.56	1950	248	0.96	3090	337	0.36	5032	480
-2.15	-1304	+192	-1.55	-1964	+249	-0.95	-3115	+339	-0.35	-5072	+484
2.14	1312	192	1.54	1978	250	0.94	3140	341	0.34	5112	487
2.13	1321	193	1.53	1993	252	0.93	3165	343	0.33	5153	490
2.12	1329	194	1.52	2007	253	0.92	3191	344	0.32	5193	493
2.11	1338	195	1.51	2022	254	0.91	3217	346	0.31	5234	496
-2.10	-1347	+196	-1.50	-2037	+255	-0.90	-3243	+348	-0.30	-5275	+499
2.09	1355	196	1.49	2052	257	0.89	3269	350	0.29	5316	502
2.08	1364	197	1.48	2067	258	0.88	3296	352	0.28	5357	505
2.07	1373	198	1.47	2082	259	0.87	3323	354	0.27	5399	509
2.06	1382	199	1.46	2098	260	0.86	3350	356	0.26	5441	512
-2.05	-1391	+200	-1.45	-2114	+262	-0.85	-3378	+358	-0.25	-5482	+515
2.04	1400	200	1.44	2129	263	0.84	3405	360	0.24	5524	518
2.03	1410	201	1.43	2145	264	0.83	3433	362	0.23	5567	522
2.02	1419	202	1.42	2161	265	0.82	3461	364	0.22	5609	525
2.01	1428	203	1.41	2177	267	0.81	3489	366	0.21	5651	528
-2.00	-1438	+204	-1.40	-2194	+268	-0.80	-3518	+369	-0.20	-5694	+532
1.99	1447	205	1.39	2210	269	0.79	3547	371	0.19	5737	535
1.98	1457	206	1.38	2227	271	0.78	3576	373	0.18	5780	539
1.97	1467	207	1.37	2244	272	0.77	3606	375	0.17	5823	542
1.96	1476	207	1.36	2261	273	0.76	3635	377	0.16	5866	546
-1.95	-1486	+208	-1.35	-2278	+275	-0.75	-3665	+379	-0.15	-5909	+549
1.94	1496	209	1.34	2295	276	0.74	3695	382	0.14	5952	553
1.93	1506	210	1.33	2313	277	0.73	3726	384	0.13	5996	556
1.92	1516	211	1.32	2330	279	0.72	3756	386	0.12	6039	560
1.91	1527	212	1.31	2348	280	0.71	3787	388	0.11	6083	564
-1.90	-1537	+213	-1.30	-2366	+282	-0.70	-3818	+391	-0.10	-6127	+567
1.89	1547	214	1.29	2384	283	0.69	3850	393	0.09	6170	571
1.88	1558	215	1.28	2402	284	0.68	3882	395	0.08	6214	575
1.87	1568	216	1.27	2421	286	0.67	3914	398	0.07	6258	578
1.86	1579	217	1.26	2440	287	0.66	3946	400	0.06	6302	582
-1.85	-1590	+217	-1.25	-2458	+289	-0.65	-3978	+402	-0.05	-6346	+586
1.84	1601	218	1.24	2477	290	0.64	4011	405	0.04	6390	590
1.83	1612	219	1.23	2497	292	0.63	4044	407	0.03	6434	594
1.82	1623	220	1.22	2516	293	0.62	4077	410	0.02	6478	598
1.81	1634	221	1.21	2536	295	0.61	4111	412	-0.01	6522	601
-1.80	-1646	+222	-1.20	-2555	+296	-0.60	-4145	+415	0.00	-6566	+605
1.79	1657	223	1.19	2575	298	0.59	4179	417	+0.01	6610	609
1.78	1668	224	1.18	2595	299	0.58	4213	420	0.02	6654	613
1.77	1680	225	1.17	2616	301	0.57	4248	422	0.03	6698	617
1.76	1692	226	1.16	2636	303	0.56	4283	425	0.04	6742	621
-1.75	-1704	+227	-1.15	-2657	+304	-0.55	-4318	+427	+0.05	-6786	+625
1.74	1716	228	1.14	2678	306	0.54	4353	430	0.06	6830	629
1.73	1728	229	1.13	2699	307	0.53	4389	432	0.07	6874	633
1.72	1740	230	1.12	2720	309	0.52	4425	435	0.08	6918	638
1.71	1752	232	1.11	2742	311	0.51	4461	438	0.09	6962	642
-1.70	-1764	+233	-1.10	-2763	+312	-0.50	-4497	+441	+0.10	-7006	+646

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+0.10	-7006	+646	+0.70	-9303	+942	+1.30	-10727	+1305	+3.50	-12231	+2856
0.11	7049	650	0.71	9334	948	1.31	10744	1311	3.55	12238	2893
0.12	7093	654	0.72	9364	953	1.32	10761	1318	3.60	12244	2930
0.13	7136	659	0.73	9394	959	1.33	10778	1324	3.65	12249	2967
0.14	7180	663	0.74	9425	965	1.34	10795	1331	3.70	12254	3003
+0.15	-7223	+667	+0.75	-9454	+970	+1.35	-10812	+1337	+3.75	-12258	+3040
0.16	7266	672	0.76	9484	976	1.36	10828	1344	3.80	12261	3077
0.17	7309	676	0.77	9513	982	1.37	10845	1350	3.85	12265	3114
0.18	7352	680	0.78	9542	987	1.38	10861	1357	3.90	12267	3150
0.19	7395	685	0.79	9571	993	1.39	10877	1363	3.95	12269	3187
+0.20	-7438	+689	+0.80	-9599	+999	+1.40	-10893	+1370	+4.00	-12271	+3224
0.21	7480	694	0.81	9628	1005	1.41	10908	1376	4.05	12272	3261
0.22	7523	698	0.82	9656	1010	1.42	10924	1383	4.10	12273	3298
0.23	7565	703	0.83	9683	1016	1.43	10939	1389	4.15	12274	3334
0.24	7607	707	0.84	9711	1022	1.44	10954	1396	4.20	12274	3371
+0.25	-7649	+712	+0.85	-9738	+1028	+1.45	-10969	+1403	+4.25	-12273	+3408
0.26	7691	717	0.86	9765	1034	1.46	10984	1409	4.30	12273	3445
0.27	7732	721	0.87	9792	1040	1.47	10999	1416	4.35	12271	3482
0.28	7773	726	0.88	9818	1045	1.48	11014	1422	4.40	12270	3518
0.29	7815	730	0.89	9844	1051	1.49	11028	1429	4.45	12268	3555
+0.30	-7856	+735	+0.90	-9870	+1057	+1.50	-11043	+1436	+4.50	-12266	+3592
0.31	7897	740	0.91	9896	1063	1.55	11112	1469	4.55	12263	3629
0.32	7937	745	0.92	9922	1069	1.60	11178	1502	4.60	12260	3666
0.33	7978	749	0.93	9947	1075	1.65	11241	1536	4.65	12257	3702
0.34	8018	754	0.94	9972	1081	1.70	11300	1570	4.70	12253	3739
+0.35	-8058	+759	+0.95	-9997	+1087	+1.75	-11357	+1604	+4.75	-12249	+3776
0.36	8097	764	0.96	10021	1093	1.80	11411	1638	4.80	12245	3813
0.37	8137	769	0.97	10045	1099	1.85	11462	1672	4.85	12241	3849
0.38	8176	774	0.98	10069	1105	1.90	11510	1707	4.90	12236	3886
0.39	8216	779	0.99	10093	1111	1.95	11557	1741	4.95	12231	3923
+0.40	-8254	+784	+1.00	-10117	+1117	+2.00	-11601	+1776	+5.00	-12225	+3960
0.41	8293	789	1.01	10140	1123	2.05	11642	1811	5.05	12220	3996
0.42	8331	794	1.02	10163	1129	2.10	11682	1846	5.10	12214	4033
0.43	8370	799	1.03	10186	1135	2.15	11720	1881	5.15	12208	4070
0.44	8407	804	1.04	10209	1141	2.20	11755	1916	5.20	12201	4106
+0.45	-8445	+809	+1.05	-10232	+1148	+2.25	-11789	+1952	+5.25	-12194	+4143
0.46	8483	814	1.06	10254	1154	2.30	11822	1987	5.30	12188	4179
0.47	8520	819	1.07	10276	1160	2.35	11852	2022	5.35	12180	4216
0.48	8557	824	1.08	10298	1166	2.40	11881	2058	5.40	12173	4252
0.49	8593	829	1.09	10319	1172	2.45	11909	2094	5.45	12165	4289
+0.50	-8630	+834	+1.10	-10341	+1178	+2.50	-11935	+2130	+5.50	-12157	+4325
0.51	8666	840	1.11	10362	1185	2.55	11959	2165	5.55	12149	4362
0.52	8702	845	1.12	10383	1191	2.60	11983	2201	5.60	12141	4398
0.53	8737	850	1.13	10404	1197	2.65	12005	2237	5.65	12132	4435
0.54	8773	855	1.14	10424	1203	2.70	12025	2273	5.70	12123	4471
+0.55	-8808	+861	+1.15	-10445	+1209	+2.75	-12045	+2309	+5.75	-12114	+4507
0.56	8843	866	1.16	10465	1216	2.80	12064	2346	5.80	12105	4544
0.57	8877	871	1.17	10485	1222	2.85	12082	2382	5.85	12096	4580
0.58	8912	877	1.18	10504	1228	2.90	12098	2418	5.90	12086	4616
0.59	8946	882	1.19	10524	1235	2.95	12114	2454	5.95	12076	4653
+0.60	-8980	+887	+1.20	-10543	+1241	+3.00	-12128	+2491	+6.0	-12066	+4689
0.61	9013	893	1.21	10563	1247	3.05	12142	2527	6.2	12024	4833
0.62	9046	898	1.22	10582	1254	3.10	12155	2564	6.4	11979	4977
0.63	9079	904	1.23	10600	1260	3.15	12167	2600	6.6	11931	5121
0.64	9112	909	1.24	10619	1266	3.20	12179	2637	6.8	11880	5264
+0.65	-9144	+914	+1.25	-10637	+1273	+3.25	-12189	+2673	+7.0	-11827	+5406
0.66	9177	920	1.26	10656	1279	3.30	12199	2710	7.2	11771	5547
0.67	9209	925	1.27	10674	1286	3.35	12208	2746	7.4	11713	5688
0.68	9240	931	1.28	10692	1292	3.40	12216	2783	7.6	11653	5829
0.69	9272	937	1.29	10709	1298	3.45	12224	2820	7.8	11590	5968
+0.70	-9303	+942	+1.30	-10727	+1305	+3.50	-12231	+2856	+8.0	-11525	+6107

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
+ 8.0	-11525	+ 6107	+20.0	-4744	+12250	+32.0	+ 4497	+12344	+44.0	+11517	+6316
8.2	11457	6245	20.2	4597	12306	32.2	4645	12289	44.2	11592	6178
8.4	11388	6382	20.4	4450	12360	32.4	4792	12232	44.4	11665	6038
8.6	11317	6518	20.6	4301	12413	32.6	4939	12174	44.6	11736	5898
8.8	11243	6653	20.8	4153	12464	32.8	5084	12114	44.8	11806	5757
+ 9.0	-11168	+ 6788	+21.0	-4003	+12513	+33.0	+ 5229	+12052	+45.0	+11875	+5615
9.2	11090	6921	21.2	3853	12560	33.2	5373	11988	45.2	11941	5472
9.4	11011	7054	21.4	3703	12605	33.4	5517	11923	45.4	12006	5328
9.6	10930	7186	21.6	3551	12649	33.6	5659	11856	45.6	12069	5184
9.8	10847	7316	21.8	3400	12690	33.8	5801	11787	45.8	12130	5038
+10.0	-10763	+ 7446	+22.0	-3248	+12730	+34.0	+ 5942	+11717	+46.0	+12190	+4892
10.2	10676	7575	22.2	3095	12768	34.2	6082	11645	46.2	12247	4746
10.4	10588	7702	22.4	2942	12805	34.4	6221	11571	46.4	12303	4598
10.6	10498	7829	22.6	2788	12839	34.6	6359	11495	46.6	12358	4450
10.8	10406	7954	22.8	2634	12872	34.8	6497	11418	46.8	12410	4302
+11.0	-10313	+ 8079	+23.0	-2480	+12902	+35.0	+ 6633	+11340	+47.0	+12461	+4153
11.2	10218	8202	23.2	2325	12931	35.2	6769	11259	47.2	12510	4003
11.4	10122	8324	23.4	2170	12958	35.4	6903	11177	47.4	12557	3852
11.6	10023	8445	23.6	2015	12983	35.6	7037	11093	47.6	12602	3701
11.8	9924	8564	23.8	1859	13006	35.8	7169	11008	47.8	12646	3550
+12.0	- 9823	+ 8683	+24.0	-1704	+13028	+36.0	+ 7301	+10921	+48.0	+12687	+3398
12.2	9720	8800	24.2	1547	13047	36.2	7431	10833	48.2	12727	3245
12.4	9615	8916	24.4	1391	13065	36.4	7561	10743	48.4	12765	3092
12.6	9510	9031	24.6	1234	13080	36.6	7689	10651	48.6	12801	2939
12.8	9403	9144	24.8	1078	13094	36.8	7816	10558	48.8	12836	2785
+13.0	- 9294	+ 9256	+25.0	- 921	+13106	+37.0	+ 7942	+10464	+49.0	+12868	+2631
13.2	9184	9367	25.2	764	13116	37.2	8067	10368	49.2	12899	2476
13.4	9073	9477	25.4	606	13125	37.4	8191	10270	49.4	12927	2321
13.6	8960	9585	25.6	449	13131	37.6	8313	10171	49.6	12954	2166
13.8	8846	9692	25.8	292	13135	37.8	8435	10071	49.8	12979	2011
+14.0	- 8730	+ 9797	+26.0	- 134	+13138	+38.0	+ 8555	+ 9969	+50.0	+13002	+1855
14.2	8613	9901	26.2	23	13138	38.2	8674	9865	50.2	13024	1699
14.4	8495	10004	26.4	181	13137	38.4	8792	9761	50.4	13043	1542
14.6	8376	10105	26.6	338	13134	38.6	8908	9654	50.6	13061	1386
14.8	8255	10205	26.8	495	13129	38.8	9023	9547	50.8	13076	1229
+15.0	- 8133	+10303	+27.0	+ 653	+13122	+39.0	+ 9137	+ 9438	+51.0	+13090	+1072
15.2	8010	10400	27.2	810	13113	39.2	9250	9328	51.2	13102	915
15.4	7886	10496	27.4	967	13103	39.4	9361	9216	51.4	13112	757
15.6	7761	10589	27.6	1123	13090	39.6	9471	9103	51.6	13120	600
15.8	7634	10682	27.8	1280	13076	39.8	9579	8989	51.8	13126	442
+16.0	- 7506	+10773	+28.0	+1437	+13059	+40.0	+ 9686	+ 8873	+52.0	+13131	+ 285
16.2	7377	10862	28.2	1593	13041	40.2	9792	8756	52.2	13133	127
16.4	7247	10950	28.4	1749	13021	40.4	9896	8638	52.4	13134	30
16.6	7116	11036	28.6	1905	12999	40.6	9999	8519	52.6	13132	188
16.8	6984	11120	28.8	2061	12975	40.8	10101	8398	52.8	13129	345
+17.0	- 6851	+11203	+29.0	+2217	+12950	+41.0	+10201	+ 8276	+53.0	+13124	- 503
17.2	6717	11285	29.2	2372	12922	41.2	10299	8153	53.2	13117	660
17.4	6582	11365	29.4	2527	12893	41.4	10396	8029	53.4	13108	818
17.6	6446	11443	29.6	2681	12862	41.6	10492	7904	53.6	13097	975
17.8	6308	11519	29.8	2835	12829	41.8	10586	7777	53.8	13085	1132
+18.0	- 6170	+11594	+30.0	+2989	+12794	+42.0	+10678	+ 7650	+54.0	+13070	-1289
18.2	6031	11667	30.2	3142	12757	42.2	10769	7521	54.2	13054	1446
18.4	5892	11739	30.4	3295	12718	42.4	10859	7391	54.4	13035	1602
18.6	5751	11809	30.6	3447	12678	42.6	10946	7260	54.6	13015	1759
18.8	5610	11877	30.8	3599	12636	42.8	11033	7129	54.8	12993	1915
+19.0	- 5467	+11944	+31.0	+3750	+12591	+43.0	+11117	+ 6996	+55.0	+12969	-2070
19.2	5324	12008	31.2	3900	12546	43.2	11201	6862	55.2	12943	2226
19.4	5180	12071	31.4	4051	12498	43.4	11282	6727	55.4	12916	2381
19.6	5035	12133	31.6	4200	12448	43.6	11362	6591	55.6	12886	2536
19.8	4890	12192	31.8	4349	12397	43.8	11440	6454	55.8	12855	2690
+20.0	- 4744	+12250	+32.0	+4497	+12344	+44.0	+11517	+ 6316	+56.0	+12822	-2844

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+56.0	+12822	-2844	+68.0	+7763	-10592	+80.0	-1149	-13082	+92.0	-9490	-9077
56.2	12786	2998	68.2	7635	10685	80.2	1306	13067	92.2	9598	8963
56.4	12750	3151	68.4	7506	10776	80.4	1463	13050	92.4	9705	8847
56.6	12711	3304	68.6	7376	10865	80.6	1619	13032	92.6	9811	8730
56.8	12670	3456	68.8	7246	10953	80.8	1775	13011	92.8	9915	8611
+57.0	+12628	-3608	+69.0	+7114	-11039	+81.0	-1931	-12989	+93.0	-10017	-8492
57.2	12583	3759	69.2	6981	11123	81.2	2087	12965	93.2	10119	8371
57.4	12537	3910	69.4	6847	11206	81.4	2242	12939	93.4	10218	8249
57.6	12490	4060	69.6	6712	11288	81.6	2398	12911	93.6	10317	8126
57.8	12440	4210	69.8	6576	11367	81.8	2552	12882	93.8	10413	8001
+58.0	+12389	-4359	+70.0	+6439	-11446	+82.0	-2707	-12850	+94.0	-10509	-7876
58.2	12335	4507	70.2	6301	11522	82.2	2861	12817	94.2	10602	7749
58.4	12280	4655	70.4	6162	11597	82.4	3014	12781	94.4	10695	7621
58.6	12224	4802	70.6	6023	11670	82.6	3167	12744	94.6	10785	7493
58.8	12165	4948	70.8	5882	11741	82.8	3320	12705	94.8	10874	7363
+59.0	+12105	-5094	+71.0	+5741	-11811	+83.0	-3472	-12665	+95.0	-10962	-7232
59.2	12043	5239	71.2	5599	11879	83.2	3624	12622	95.2	11048	7100
59.4	11979	5383	71.4	5456	11945	83.4	3775	12578	95.4	11132	6966
59.6	11914	5526	71.6	5312	12010	83.6	3926	12532	95.6	11215	6832
59.8	11846	5669	71.8	5168	12073	83.8	4076	12484	95.8	11296	6697
+60.0	+11778	-5811	+72.0	+5022	-12134	+84.0	-4226	-12434	+96.0	-11376	-6561
60.2	11707	5951	72.2	4876	12193	84.2	4375	12382	96.2	11454	6424
60.4	11635	6091	72.4	4730	12251	84.4	4523	12329	96.4	11530	6286
60.6	11561	6231	72.6	4582	12307	84.6	4670	12274	96.6	11605	6148
60.8	11485	6369	72.8	4434	12361	84.8	4817	12217	96.8	11678	6008
+61.0	+11408	-6506	+73.0	+4286	-12413	+85.0	-4964	-12158	+97.0	-11749	-5867
61.2	11329	6643	73.2	4136	12464	85.2	5109	12098	97.2	11818	5726
61.4	11248	6778	73.4	3986	12513	85.4	5254	12036	97.4	11886	5584
61.6	11166	6913	73.6	3836	12560	85.6	5398	11972	97.6	11952	5441
61.8	11082	7046	73.8	3685	12605	85.8	5541	11906	97.8	12017	5297
+62.0	+10997	-7179	+74.0	+3534	-12648	+86.0	-5684	-11839	+98.0	-12079	-5152
62.2	10910	7310	74.2	3381	12689	86.2	5825	11770	98.2	12140	5007
62.4	10822	7440	74.4	3229	12729	86.4	5966	11699	98.4	12200	4861
62.6	10731	7570	74.6	3076	12767	86.6	6106	11626	98.6	12257	4714
62.8	10640	7698	74.8	2923	12803	86.8	6245	11552	98.8	12313	4567
+63.0	+10547	-7825	+75.0	+2769	-12837	+87.0	-6383	-11476	+99.0	-12367	-4419
63.2	10452	7951	75.2	2614	12869	87.2	6521	11399	99.2	12419	4270
63.4	10356	8076	75.4	2460	12900	87.4	6657	11320	99.4	12469	4121
63.6	10258	8200	75.6	2305	12928	87.6	6792	11239	99.6	12518	3971
63.8	10159	8322	75.8	2150	12955	87.8	6927	11157	99.8	12564	3820
+64.0	+10058	-8443	+76.0	+1994	-12980	+88.0	-7060	-11073	+100.0	-12609	-3669
64.2	9956	8563	76.2	1838	13003	88.2	7193	10988			
64.4	9853	8682	76.4	1682	13024	88.4	7324	10900			
64.6	9748	8800	76.6	1525	13043	88.6	7454	10812			
64.8	9642	8916	76.8	1369	13061	88.8	7583	10722			
+65.0	+9534	-9031	+77.0	+1212	-13076	+89.0	-7712	-10630			
65.2	9425	9145	77.2	1055	13090	89.2	7839	10536			
65.4	9315	9258	77.4	898	13101	89.4	7964	10442			
65.6	9203	9369	77.6	740	13111	89.6	8089	10345			
65.8	9090	9478	77.8	583	13119	89.8	8213	10248			
+66.0	+8975	-9587	+78.0	+426	-13125	+90.0	-8335	-10148			
66.2	8860	9694	78.2	268	13129	90.2	8456	10047			
66.4	8743	9799	78.4	110	13132	90.4	8576	9945			
66.6	8624	9904	78.6	-47	13132	90.6	8695	9842			
66.8	8505	10006	78.8	205	13130	90.8	8812	9737			
+67.0	+8384	-10108	+79.0	-362	-13127	+91.0	-8929	-9630			
67.2	8262	10208	79.2	520	13122	91.2	9044	9522			
67.4	8139	10306	79.4	677	13115	91.4	9157	9413			
67.6	8015	10403	79.6	835	13105	91.6	9269	9302			
67.8	7889	10498	79.8	992	13094	91.8	9380	9191			
+68.0	+7763	-10592	+80.0	-1149	-13082	+92.0	-9490	-9077			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.0	-138	+47	-1.5	-784	+164	+4.0	-2115	+684
95	0	0	6.9	141	48	1.4	812	169	4.1	2122	697
90	0	0	6.8	145	49	1.3	840	174	4.2	2129	710
85	0	+1	6.7	149	49	1.2	869	179	4.3	2135	722
80	0	1	6.6	153	50	1.1	899	184	4.4	2140	735
-75	0	+1	-6.5	-157	+51	-1.0	-929	+190	+4.5	-2145	+748
70	0	1	6.4	161	52	0.9	960	195	4.6	2150	761
65	0	1	6.3	166	53	0.8	992	201	4.7	2154	774
60	-1	1	6.2	170	54	0.7	1024	207	4.8	2158	787
55	1	1	6.1	175	55	0.6	1057	214	4.9	2161	800
-50	-1	+2	-6.0	-180	+56	-0.5	-1090	+220	+5.0	-2164	+813
45	2	2	5.9	185	57	0.4	1123	227	5.1	2167	826
40	2	3	5.8	191	59	0.3	1157	234	5.2	2169	839
35	3	3	5.7	196	60	0.2	1191	241	5.3	2171	852
30	5	5	5.6	202	61	-0.1	1225	248	5.4	2173	865
-25.0	-8	+6	-5.5	-208	+62	0.0	-1259	+255	+5.5	-2174	+878
24.5	9	7	5.4	214	63	+0.1	1293	263	5.6	2175	891
24.0	9	7	5.3	220	65	0.2	1326	271	5.7	2175	904
23.5	10	7	5.2	227	66	0.3	1360	279	5.8	2176	917
23.0	10	8	5.1	234	67	0.4	1393	287	5.9	2176	930
-22.5	-11	+8	-5.0	-241	+69	+0.5	-1427	+296	+6.0	-2176	+943
22.0	11	8	4.9	248	70	0.6	1459	304	6.1	2175	956
21.5	12	8	4.8	256	72	0.7	1491	313	6.2	2175	969
21.0	13	9	4.7	264	73	0.8	1523	322	6.3	2174	982
20.5	14	9	4.6	272	75	0.9	1554	331	6.4	2173	995
-20.0	-14	+10	-4.5	-281	+77	+1.0	-1584	+341	+6.5	-2171	+1008
19.5	15	10	4.4	290	78	1.1	1613	350	6.6	2170	1021
19.0	16	11	4.3	300	80	1.2	1642	360	6.7	2168	1034
18.5	17	11	4.2	309	82	1.3	1670	370	6.8	2166	1047
18.0	19	12	4.1	319	84	1.4	1697	380	6.9	2163	1060
-17.5	-20	+12	-4.0	-330	+86	+1.5	-1723	+390	+7.0	-2161	+1073
17.0	21	13	3.9	341	88	1.6	1749	401	7.1	2158	1086
16.5	23	14	3.8	352	90	1.7	1773	411	7.2	2155	1099
16.0	25	14	3.7	364	92	1.8	1797	422	7.3	2152	1112
15.5	27	15	3.6	377	94	1.9	1820	433	7.4	2149	1125
-15.0	-29	+16	-3.5	-390	+97	+2.0	-1842	+444	+7.5	-2145	+1138
14.5	31	17	3.4	403	99	2.1	1862	455	8.0	2125	1202
14.0	33	18	3.3	417	101	2.2	1883	466	8.5	2101	1266
13.5	36	19	3.2	432	104	2.3	1902	478	9.0	2074	1328
13.0	39	20	3.1	447	107	2.4	1920	489	9.5	2043	1390
-12.5	-43	+21	-3.0	-463	+109	+2.5	-1938	+501	+10.0	-2008	+1451
12.0	47	22	2.9	479	112	2.6	1955	512	10.5	1972	1510
11.5	52	24	2.8	496	115	2.7	1971	524	11.0	1932	1569
11.0	57	25	2.7	514	118	2.8	1986	536	11.5	1890	1626
10.5	63	27	2.6	532	121	2.9	2000	548	12.0	1846	1683
-10.0	-69	+29	-2.5	-551	+125	+3.0	-2014	+560	+12.5	-1799	+1737
9.5	77	32	2.4	571	128	3.1	2027	572	13.0	1750	1790
9.0	86	34	2.3	592	131	3.2	2039	584	13.5	1700	1842
8.5	96	37	2.2	613	135	3.3	2051	597	14.0	1647	1892
8.0	108	40	2.1	635	139	3.4	2062	609	14.5	1593	1941
-7.5	-121	+43	-2.0	-658	+143	+3.5	-2072	+621	+15.0	-1536	+1988
7.4	125	44	1.9	681	147	3.6	2082	634	15.5	1479	2033
7.3	128	44	1.8	706	151	3.7	2091	646	16.0	1419	2076
7.2	131	45	1.7	731	155	3.8	2100 ^a	659	16.5	1358	2118
7.1	134	46	1.6	757	160	3.9	2108	672	17.0	1296	2158
-7.0	-138	+47	-1.5	-784	+164	+4.0	-2115	+684	+17.5	-1233	+2196

$$4\pi W_0 \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 4$$

t	R	I	t	R	I	t	R	I
+17.5	-1233	+2196	+45.0	+2277	+1078	+72.5	+893	-2353
18.0	1168	2232	45.5	2309	1009	73.0	822	2379
18.5	1102	2266	46.0	2338	939	73.5	750	2403
19.0	1035	2298	46.5	2365	869	74.0	678	2424
19.5	967	2328	47.0	2390	797	74.5	605	2443
+20.0	-898	+2356	+47.5	+2412	+725	+75.0	+531	-2460
20.5	828	2382	48.0	2433	653	75.5	457	2475
21.0	757	2405	48.5	2451	579	76.0	382	2488
21.5	686	2427	49.0	2468	506	76.5	308	2498
22.0	614	2447	49.5	2482	431	77.0	233	2506
+22.5	-541	+2464	+50.0	+2493	+357	+77.5	+157	-2512
23.0	467	2479	50.5	2503	282	78.0	82	2515
23.5	393	2492	51.0	2510	207	78.5	6	2517
24.0	319	2503	51.5	2515	131	79.0	-69	2516
24.5	245	2511	52.0	2518	56	79.5	145	2513
+25.0	-170	+2517	+52.5	+2518	-20	+80.0	-220	-2507
25.5	95	2521	53.0	2516	95	80.5	295	2499
26.0	-20	2523	53.5	2512	171	81.0	370	2489
26.5	55	2523	54.0	2506	246	81.5	445	2477
27.0	130	2520	54.5	2498	321	82.0	519	2463
+27.5	+206	+2515	+55.0	+2487	-396	+82.5	-592	-2446
28.0	280	2507	55.5	2474	470	83.0	665	2427
28.5	355	2498	56.0	2458	544	83.5	738	2406
29.0	429	2486	56.5	2441	618	84.0	810	2383
29.5	503	2472	57.0	2421	691	84.5	881	2358
+30.0	+577	+2456	+57.5	+2399	-763	+85.0	-951	-2330
30.5	650	2438	58.0	2375	835	85.5	1021	2301
31.0	723	2417	58.5	2349	906	86.0	1089	2269
31.5	794	2394	59.0	2321	976	86.5	1157	2235
32.0	866	2369	59.5	2291	1045	87.0	1223	2199
+32.5	+936	+2342	+60.0	+2258	-1113	+87.5	-1289	-2162
33.0	1005	2313	60.5	2224	1180	88.0	1353	2122
33.5	1074	2282	61.0	2187	1246	88.5	1416	2081
34.0	1142	2249	61.5	2149	1312	89.0	1478	2037
34.5	1208	2213	62.0	2108	1375	89.5	1539	1992
+35.0	+1274	+2176	+62.5	+2066	-1438	+90.0	-1598	-1945
35.5	1339	2137	63.0	2022	1499	90.5	1655	1896
36.0	1402	2096	63.5	1976	1559	91.0	1711	1846
36.5	1464	2053	64.0	1928	1618	91.5	1766	1794
37.0	1525	2008	64.5	1879	1675	92.0	1819	1740
+37.5	+1584	+1961	+65.0	+1828	-1731	+92.5	-1870	-1684
38.0	1642	1913	65.5	1775	1785	93.0	1920	1628
38.5	1698	1863	66.0	1721	1837	93.5	1968	1569
39.0	1753	1811	66.5	1665	1888	94.0	2014	1510
39.5	1807	1758	67.0	1607	1937	94.5	2059	1448
+40.0	+1859	+1703	+67.5	+1549	-1984	+95.0	-2101	-1386
40.5	1909	1646	68.0	1488	2030	95.5	2142	1322
41.0	1957	1588	68.5	1427	2074	96.0	2180	1258
41.5	2004	1529	69.0	1364	2115	96.5	2217	1192
42.0	2048	1468	69.5	1300	2155	97.0	2252	1125
+42.5	+2091	+1406	+70.0	+1235	-2193	+97.5	-2285	-1056
43.0	2132	1343	70.5	1168	2229	98.0	2315	987
43.5	2172	1278	71.0	1101	2263	98.5	2344	918
44.0	2209	1212	71.5	1032	2295	99.0	2370	847
44.5	2244	1146	72.0	963	2325	99.5	2395	775
+45.0	+2277	+1078	+72.5	+893	-2353	+100.0	-2417	-703

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$$n = 6$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 2.5	-706	+ 245	+ 45	+ 925	+ 439
95	0	0	3.0	734	267	46	950	382
90	0	0	3.5	758	289	47	971	325
85	0	0	4.0	779	312	48	988	266
80	0	+ 1	4.5	794	336	49	1002	206
- 75	0	+ 1	+ 5.0	-807	+ 360	+ 50	+ 1013	+ 146
70	0	1	5.5	816	384	51	1019	85
65	- 1	1	6.0	821	409	52	1023	+ 23
60	1	1	6.5	824	434	53	1022	- 38
55	1	1	7.0	825	458	54	1018	99
- 50	- 1	+ 2	+ 7.5	-823	+ 483	+ 55	+ 1010	- 160
45	2	2	8.0	818	508	56	998	220
40	2	3	8.5	812	532	57	983	280
35	3	3	9.0	804	556	58	965	338
30	5	4	9.5	795	580	59	942	395
- 25	- 8	+ 6	+ 10.0	-784	+ 604	+ 60	+ 917	- 451
24	9	7	10.5	771	627	61	888	505
23	10	7	11.0	757	650	62	856	558
22	11	8	11.5	742	673	63	821	608
21	12	9	12.0	726	695	64	783	656
- 20	- 14	+ 9	+ 12.5	-709	+ 716	+ 65	+ 742	- 702
19	15	10	13.0	691	737	66	699	745
18	17	11	13.5	671	758	67	653	786
17	20	12	14.0	651	778	68	604	823
16	23	14	14.5	630	797	69	554	858
- 15	- 26	+ 15	+ 15	-609	+ 816	+ 70	+ 501	- 890
14	31	17	16	563	851	71	447	918
13	36	19	17	515	883	72	391	944
12	42	21	18	464	912	73	334	965
11	50	24	19	412	939	74	275	984
- 10.0	- 60	+ 27	+ 20	-357	+ 962	+ 75	+ 216	- 998
9.5	66	29	21	300	981	76	155	1009
9.0	72	31	22	243	998	77	95	1017
8.5	80	33	23	184	1011	78	+ 33	1021
8.0	88	36	24	125	1020	79	- 28	1021
- 7.5	- 98	+ 39	+ 25	- 65	+ 1026	+ 80	- 89	- 1017
7.0	108	42	26	- 4	1028	81	150	1010
6.5	121	45	27	+ 57	1026	82	210	999
6.0	135	49	28	117	1021	83	270	985
5.5	151	53	29	177	1012	84	329	967
- 5.0	- 169	+ 58	+ 30	+ 237	+ 999	+ 85	- 386	- 946
4.5	190	63	31	296	983	86	442	921
4.0	214	70	32	354	964	87	496	893
3.5	241	76	33	410	941	88	549	861
3.0	271	84	34	465	915	89	600	827
- 2.5	- 304	+ 93	+ 35	+ 519	+ 885	+ 90	- 648	- 789
2.0	341	102	36	571	853	91	695	749
1.5	381	113	37	620	817	92	738	706
1.0	423	125	38	668	778	93	779	660
- 0.5	467	139	39	713	737	94	818	612
+ 0.0	- 511	+ 153	+ 40	+ 756	+ 693	+ 95	- 853	- 562
0.5	555	169	41	796	646	96	885	510
1.0	597	186	42	833	597	97	914	456
1.5	637	205	43	867	546	98	940	401
2.0	674	225	44	898	493	99	962	344
+ 2.5	- 706	+ 245	+ 45	+ 925	+ 439	+ 100	- 981	- 285

$4\pi W_c \times 10^4$

$n = 8$			$n = 8$			$n = 8$			$n = 10$			$n = 10$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-390	+326	+60	+479	-235	-100	0	0	+10	-221	+201
95	0	0	11	379	349	61	464	263	95	0	0	11	215	214
90	0	0	12	364	371	62	447	291	90	0	0	12	207	227
85	0	0	13	348	392	63	429	317	85	0	0	13	198	239
80	0	+1	14	329	413	64	409	342	80	0	+1	14	188	250
-75	0	+1	+15	-308	+432	+65	+388	-366	-75	0	+1	+15	-176	+261
70	0	1	16	285	450	66	365	388	70	0	1	16	163	272
65	-1	1	17	261	466	67	341	410	65	-1	1	17	149	281
60	1	1	18	235	481	68	315	429	60	1	1	18	135	289
55	1	1	19	208	494	69	289	447	55	1	1	19	119	297
-50	-1	+1	+20	-181	+506	+70	+262	-464	-50	-1	+1	+20	-103	+304
45	2	2	21	152	516	71	233	479	45	2	2	21	69	314
40	2	2	22	122	524	72	204	492	40	2	2	22	-34	320
35	3	3	23	92	530	73	174	503	35	3	3	23	+3	322
30	5	4	24	61	535	74	144	513	30	5	4	24	40	319
-25	-7	+6	+25	-30	+538	+75	+113	-521	-25	-7	+6	+30	+76	+312
24	8	7	26	+1	539	76	81	526	24	8	6	32	112	301
23	9	7	27	32	538	77	50	530	23	9	7	34	146	286
22	10	8	28	64	535	78	+18	532	22	9	7	36	179	266
21	11	8	29	95	530	79	-14	532	21	11	8	38	209	243
-20	-13	+9	+30	+126	+524	+80	-46	-531	-20	-12	+9	+40	+236	+216
19	14	10	31	156	515	81	78	527	19	13	9	42	259	186
18	16	11	32	186	505	82	110	521	18	15	10	44	279	154
17	18	12	33	216	493	83	141	514	17	17	11	46	295	120
16	21	13	34	244	479	84	171	504	16	19	12	48	307	83
-15	-24	+14	+35	+272	+463	+85	-201	-493	-15	-21	+13	+50	+314	+46
14	27	16	36	299	446	86	230	480	14	24	15	52	317	+8
13	31	18	37	325	427	87	259	465	13	27	16	54	316	-30
12	36	20	38	350	407	88	286	449	12	31	18	56	310	68
11	42	22	39	373	386	89	313	431	11	36	20	58	299	104
-10	-50	+25	+40	+395	+363	+90	-338	-412	-10	-41	+22	+60	+285	-139
9	59	28	41	416	338	91	362	391	9	47	25	62	266	172
8	70	32	42	435	313	92	385	368	8	54	28	64	243	203
7	83	36	43	453	286	93	406	344	7	63	31	66	217	230
6	99	42	44	469	258	94	426	319	6	73	36	68	188	255
-5	-119	+48	+45	+484	+230	+95	-445	-293	-5	-84	+40	+70	+156	-275
4	142	56	46	496	200	96	462	266	4	97	46	72	121	292
3	169	65	47	507	170	97	477	238	3	111	52	74	85	304
2	199	76	48	516	139	98	490	209	2	126	59	76	48	312
-1	233	89	49	523	108	99	502	179	-1	142	67	78	+10	316
0	-267	+104	+50	+529	+77	+100	-512	-149	0	-158	+76	+80	-28	-315
1	300	121	51	532	45				1	174	86	82	65	309
2	330	140	52	534	+13				2	188	97	84	102	299
3	356	161	53	534	-19				3	200	109	86	137	285
4	376	183	54	531	51				4	211	121	88	170	267
+5	-391	+206	+55	+527	-83				+5	-218	+134	+90	-201	-244
6	400	230	56	521	114				6	224	147	92	228	218
7	404	254	57	513	145				7	226	161	94	253	189
8	403	278	58	503	176				8	226	174	96	274	158
9	399	302	59	492	206				9	225	188	98	291	124
+10	-390	+326	+60	+479	-235				+10	-221	+201	+100	-304	-88

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.06$$

$n = 12$			$n = 12$			$n = 14$			$n = 14$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	-135	+135	-100	0	0	+ 10	- 87	+ 96
95	0	0	11	132	143	95	0	0	11	85	101
90	0	0	12	127	150	90	0	0	12	82	106
85	0	0	13	122	158	85	0	0	13	79	111
80	0	+ 1	14	115	165	80	0	0	14	75	115
- 75	0	+ 1	+ 15	-108	+172	- 75	0	+ 1	+ 15	- 70	+120
70	0	1	16	100	178	70	0	1	16	65	124
65	0	1	17	92	184	65	- 1	1	17	59	127
60	- 1	1	18	83	189	60	1	1	18	53	131
55	1	1	19	73	194	55	1	1	19	47	134
- 50	- 1	+ 1	+ 20	- 63	+198	- 50	- 1	+ 1	+ 20	- 41	+136
45	1	2	22	42	204	45	1	2	22	26	140
40	2	2	24	- 19	208	40	2	2	24	- 11	143
35	3	3	26	+ 4	209	35	3	3	26	+ 4	143
30	4	4	28	27	207	30	4	4	28	20	142
- 25	- 7	+ 6	+ 30	+ 51	+202	- 25	- 6	+ 5	+ 30	+ 35	+138
24	7	6	32	73	195	24	7	6	32	51	133
23	8	6	34	95	185	23	7	6	34	65	126
22	9	7	36	116	172	22	8	7	36	79	118
21	10	8	38	135	157	21	9	7	38	92	107
- 20	- 11	+ 8	+ 40	+152	+140	- 20	-10	+ 8	+ 40	+104	+ 96
19	12	9	42	167	121	19	10	8	42	114	82
18	13	10	44	180	100	18	12	9	44	122	68
17	15	10	46	190	77	17	13	10	46	129	53
16	16	11	48	198	54	16	14	10	48	135	37
- 15	- 18	+ 12	+ 50	+203	+ 30	- 15	-16	+11	+ 50	+138	+ 21
14	20	14	52	204	+ 6	14	17	12	52	139	+ 4
13	23	15	54	203	- 19	13	19	13	54	138	- 12
12	26	16	56	199	43	12	22	15	56	135	29
11	29	18	58	193	67	11	24	16	58	131	45
- 10	- 33	+ 20	+ 60	+183	- 89	- 10	-27	+18	+ 60	+124	- 60
9	37	22	62	171	110	9	30	19	62	116	75
8	42	24	64	156	130	8	33	21	64	106	88
7	48	27	66	139	148	7	37	23	66	95	100
6	54	30	68	121	164	6	41	26	68	82	111
- 5	- 61	+ 34	+ 70	+100	-177	- 5	-45	+28	+ 70	+ 68	-120
4	69	38	72	78	187	4	50	31	72	53	127
3	77	42	74	55	195	3	55	34	74	37	132
2	85	47	76	31	201	2	59	38	76	21	136
1	93	52	78	+ 7	203	- 1	64	41	78	+ 5	137
0	-102	+ 58	+ 80	- 18	-202	0	-69	+45	+ 80	- 12	-137
+ 1	110	64	82	42	199	+ 1	73	50	82	28	135
2	117	71	84	65	192	2	78	54	84	44	130
3	124	78	86	88	183	3	81	59	86	60	124
4	129	86	88	109	171	4	84	64	88	74	116
+ 5	-133	+ 94	+ 90	-129	-157	+ 5	-87	+69	+ 90	- 87	-106
6	136	102	92	147	140	6	88	74	92	99	95
7	138	110	94	163	122	7	89	80	94	110	82
8	138	118	96	176	101	8	89	85	96	119	69
9	137	127	98	187	80	9	89	90	98	127	54
+ 10	-135	+135	+100	-195	- 57	+ 10	-87	+96	+100	-132	- 38

$$\bar{\omega} = 0.06$$

$$4\pi W_c \times 10^4$$

$n = 16$			$n = 16$			$n = 18$			$n = 18$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	-59	+ 71	-100	0	0	+ 10	-41	+54
95	0	0	11	57	74	95	0	0	11	40	56
90	0	0	12	55	77	90	0	0	12	38	58
85	0	0	13	53	81	85	0	0	13	36	61
80	0	+ 1	14	50	84	80	0	+ 1	14	35	63
- 75	0	+ 1	+ 15	-47	+ 87	- 75	0	+ 1	+ 15	-32	+65
70	0	1	16	43	89	70	0	1	16	30	67
65	- 1	1	17	40	92	65	0	1	17	27	68
60	1	1	18	36	94	60	- 1	1	18	24	70
55	1	1	19	31	96	55	1	1	19	21	71
- 50	- 1	+ 1	+ 20	-27	+ 98	- 50	- 1	+ 1	+ 20	-18	+72
45	1	2	22	17	101	45	1	2	22	11	74
40	2	2	24	- 7	102	40	2	2	24	- 4	75
35	3	3	26	+ 4	102	35	2	3	26	+ 4	75
30	4	4	28	15	101	30	4	4	28	12	74
- 25	- 6	+ 5	+ 30	+26	+ 99	- 25	- 5	+ 5	+ 30	+20	+72
24	6	5	32	36	95	24	5	5	32	27	70
23	7	6	34	47	90	23	6	5	34	34	66
22	7	6	36	56	84	22	6	6	36	41	61
21	8	7	38	65	76	21	7	6	38	48	56
- 20	- 9	+ 7	+ 40	+74	+ 68	- 20	- 8	+ 7	+ 40	+54	+50
19	9	8	42	81	59	19	8	7	42	59	43
18	10	8	44	87	49	18	9	8	44	63	36
17	11	9	46	92	38	17	10	8	46	67	28
16	12	10	48	95	27	16	11	9	48	69	20
- 15	-14	+10	+ 50	+97	+ 15	- 15	-12	+10	+ 50	+71	+11
14	15	11	52	98	+ 3	14	13	10	52	71	+ 3
13	16	12	54	98	- 8	13	14	11	54	71	- 6
12	18	13	56	96	20	12	15	12	56	70	14
11	20	14	58	92	31	11	16	13	58	67	22
- 10	-22	+16	+ 60	+88	- 42	- 10	-18	+14	+ 60	+64	-30
9	24	17	62	82	52	9	19	15	62	60	38
8	26	18	64	75	62	8	21	16	64	54	45
7	28	20	66	67	70	7	23	17	66	49	51
6	31	22	68	58	78	6	24	19	68	42	56
- 5	-34	+24	+ 70	+48	- 84	- 5	-26	+20	+ 70	+35	-61
4	37	26	72	38	89	4	28	22	72	27	65
3	40	28	74	26	93	3	30	24	74	19	67
2	43	31	76	15	96	2	32	26	76	11	69
- 1	46	33	78	+ 3	97	- 1	34	27	78	+ 3	70
0	-49	+36	+ 80	- 8	- 96	0	-35	+30	+ 80	- 6	-70
1	51	39	82	20	95	1	37	32	82	14	69
2	54	42	84	31	92	2	38	34	84	22	66
3	56	46	86	42	87	3	40	36	86	30	63
4	58	49	88	52	82	4	41	39	88	38	59
+ 5	-59	+53	+ 90	-62	- 75	+ 5	-41	+41	+ 90	-45	-54
6	60	56	92	70	67	6	42	44	92	51	48
7	60	60	94	78	58	7	42	46	94	56	42
8	60	63	96	84	48	8	42	49	96	61	35
9	60	67	98	89	38	9	41	51	98	65	27
+ 10	-59	+71	+100	-93	- 27	+ 10	-41	+54	+100	-68	-20

	$n = 20$		$n = 22$		$n = 24$		$n = 26$		$n = 28$		$n = 30$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	+ 1	0	0	0	0	0	0	0	+ 1
- 75	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	0	0	+ 1
70	0	1	0	1	0	1	0	1	0	+ 1	0	1
65	0	1	0	1	0	1	0	1	0	1	0	1
60	- 1	1	- 1	1	- 1	1	- 1	1	- 1	1	0	1
55	1	1	1	1	1	1	1	1	1	1	- 1	1
- 50	- 1	+ 1	- 1	+ 1	- 1	+ 1	- 1	+ 1	- 1	+ 1	- 1	+ 1
45	1	2	1	2	1	2	1	2	1	2	1	2
40	2	2	2	2	1	2	1	2	1	2	1	2
35	2	3	2	3	2	2	2	2	2	2	2	2
30	3	4	3	3	3	3	2	3	2	3	2	3
- 25	- 5	+ 5	- 4	+ 4	- 4	+ 4	- 3	+ 4	- 3	+ 4	- 3	+ 3
20	7	6	6	6	5	5	4	5	4	5	3	4
15	10	9	8	8	7	7	6	7	5	6	5	5
10	14	12	12	11	10	10	8	9	7	8	6	7
- 5	20	17	16	15	13	13	10	11	8	10	7	9
0	-26	+24	-20	+20	-15	+17	-12	+15	- 9	+12	- 7	+11
+ 5	30	33	22	27	16	22	12	18	10	15	7	13
10	29	42	21	33	15	27	12	22	9	18	7	15
15	23	50	16	39	12	31	9	25	6	20	5	17
20	-12	55	- 9	43	- 6	34	- 4	27	- 3	22	- 2	18
+ 25	+ 1	+57	+ 1	+44	+ 2	+34	+ 2	+27	+ 2	+22	+ 2	+18
30	15	55	12	42	10	33	8	26	6	21	5	17
35	29	48	22	37	17	29	14	23	11	18	9	15
40	40	37	31	29	24	22	19	18	15	14	12	12
45	49	24	37	18	29	15	22	12	18	9	14	8
+ 50	+53	+ 9	+40	+ 7	+31	+ 6	+24	+ 5	+19	+ 4	+15	+ 3
55	52	- 7	40	- 5	31	- 4	24	- 3	19	- 2	15	- 2
60	48	22	36	17	28	13	22	10	17	7	14	6
65	38	35	29	27	22	20	18	15	14	12	11	9
70	26	45	20	34	15	26	12	20	9	16	8	12
+ 75	+11	-51	+ 9	-38	+ 7	-29	+ 5	-22	+ 4	-18	+ 3	-14
80	- 4	52	- 3	39	- 2	30	- 2	23	- 1	18	- 1	14
85	20	48	15	36	11	28	9	21	7	17	6	13
90	33	40	25	30	19	23	15	18	12	14	9	11
95	44	28	33	22	25	16	19	13	15	10	12	8
+100	-50	-14	-38	-11	-29	- 8	-23	- 6	-18	- 5	-14	- 4

	$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
70	0	+ 1	0	+ 1	0	+ 1	0	+ 1	0	+ 1
60	0	1	- 1	1	0	1	0	1	0	1
- 50	- 1	+ 1	- 1	+ 1	- 1	+ 1	- 1	+ 1	- 1	+ 1
40	1	2	1	2	1	1	1	1	1	1
30	2	3	2	2	2	2	1	2	1	2
20	3	4	3	4	2	3	2	3	2	3
- 10	5	6	4	6	3	5	3	4	2	4
0	- 6	+ 9	- 5	+ 8	- 4	+ 7	- 3	+ 6	- 3	+ 5
+ 10	5	13	4	11	3	9	2	8	2	7
20	- 1	15	- 1	12	- 1	10	0	9	- 0	8
30	+ 4	14	+ 4	11	+ 3	10	+ 3	8	+ 2	7
40	10	10	8	8	7	7	5	6	5	5
+ 50	+12	+ 3	+10	+ 2	+ 8	+ 2	+ 7	+ 2	+ 6	+ 2
60	11	- 4	9	- 3	7	- 3	6	- 2	5	- 2
70	+ 6	10	+ 5	8	+ 4	6	+ 3	5	+ 3	4
80	- 1	11	- 1	9	- 1	7	0	6	0	5
90	7	9	6	7	5	6	- 4	5	- 3	4
+100	-11	- 3	- 9	- 2	- 7	- 2	- 6	- 2	- 5	- 1

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-164	+62	-4.00	-555	+135	-2.20	-1881	+283
95	0	0	6.95	167	62	3.95	570	137	2.19	1897	285
90	0	0	6.90	169	63	3.90	585	139	2.18	1915	286
85	0	0	6.85	172	64	3.85	601	142	2.17	1932	288
80	0	+1	6.80	175	64	3.80	618	144	2.16	1950	289
-75	0	+1	-6.75	-178	+65	-3.75	-636	+147	-2.15	-1968	+291
70	0	1	6.70	181	66	3.70	654	149	2.14	1986	292
65	0	1	6.65	184	66	3.65	672	152	2.13	2004	294
60	0	1	6.60	187	67	3.60	692	155	2.12	2023	296
55	0	1	6.55	190	68	3.55	712	157	2.11	2042	297
-50	-1	+1	-6.50	-194	+69	-3.50	-734	+160	-2.10	-2061	+299
45	1	2	6.45	197	69	3.45	756	163	2.09	2080	301
40	2	2	6.40	201	70	3.40	779	166	2.08	2100	302
35	2	3	6.35	204	71	3.35	803	170	2.07	2120	304
30	4	4	6.30	208	72	3.30	829	173	2.06	2140	306
-25.0	-7	+6	-6.25	-211	+73	-3.25	-855	+176	-2.05	-2161	+307
24.5	7	7	6.20	215	74	3.20	883	180	2.04	2181	309
24.0	8	7	6.15	219	75	3.15	912	183	2.03	2202	311
23.5	8	7	6.10	223	75	3.10	942	187	2.02	2224	313
23.0	9	8	6.05	227	76	3.05	975	191	2.01	2245	314
-22.5	-9	+8	-6.00	-231	+77	-3.00	-1008	+195	-2.00	-2267	+316
22.0	10	8	5.95	236	78	2.95	1043	199	1.99	2290	318
21.5	10	9	5.90	240	79	2.90	1081	203	1.98	2312	320
21.0	11	9	5.85	245	80	2.85	1120	208	1.97	2335	322
20.5	12	10	5.80	249	81	2.80	1161	212	1.96	2358	324
-20.0	-13	+10	-5.75	-254	+82	-2.75	-1204	+217	-1.95	-2382	+325
19.5	14	11	5.70	259	83	2.70	1249	222	1.94	2406	327
19.0	15	11	5.65	264	84	2.65	1297	227	1.93	2430	329
18.5	16	12	5.60	269	85	2.60	1348	232	1.92	2455	331
18.0	17	12	5.55	275	86	2.55	1402	238	1.91	2480	333
-17.5	-18	+13	-5.50	-280	+87	-2.50	-1458	+243	-1.90	-2505	+335
17.0	19	14	5.45	286	89	2.49	1470	244	1.89	2531	337
16.5	21	15	5.40	292	90	2.48	1482	246	1.88	2557	339
16.0	23	16	5.35	298	91	2.47	1494	247	1.87	2583	341
15.5	24	17	5.30	304	92	2.46	1506	248	1.86	2610	343
-15.0	-27	+18	-5.25	-310	+93	-2.45	-1518	+249	-1.85	-2637	+345
14.5	29	19	5.20	317	95	2.44	1531	250	1.84	2665	348
14.0	32	20	5.15	323	96	2.43	1544	252	1.83	2693	350
13.5	35	21	5.10	330	97	2.42	1556	253	1.82	2722	352
13.0	38	23	5.05	337	98	2.41	1569	254	1.81	2751	354
-12.5	-42	+24	-5.00	-345	+100	-2.40	-1582	+255	-1.80	-2780	+356
12.0	46	26	4.95	352	101	2.39	1596	257	1.79	2810	359
11.5	51	28	4.90	360	103	2.38	1609	258	1.78	2841	361
11.0	57	30	4.85	368	104	2.37	1622	259	1.77	2871	363
10.5	64	32	4.80	376	106	2.36	1636	261	1.76	2903	365
-10.0	-72	+35	-4.75	-385	+107	-2.35	-1650	+262	-1.75	-2935	+368
9.5	81	38	4.70	394	109	2.34	1664	263	1.74	2967	370
9.0	92	42	4.65	403	110	2.33	1678	265	1.73	3000	372
8.5	105	46	4.60	412	112	2.32	1693	266	1.72	3033	375
8.0	121	50	4.55	422	114	2.31	1707	267	1.71	3067	377
-7.50	-140	+55	-4.50	-432	+115	-2.30	-1722	+269	-1.70	-3102	+380
7.45	142	56	4.45	442	117	2.29	1737	270	1.69	3137	382
7.40	145	57	4.40	453	119	2.28	1752	271	1.68	3173	385
7.35	147	57	4.35	464	121	2.27	1767	273	1.67	3209	387
7.30	149	58	4.30	476	122	2.26	1783	274	1.66	3246	390
-7.25	-151	+58	-4.25	-488	+124	-2.25	-1799	+276	-1.65	-3283	+393
7.20	154	59	4.20	500	126	2.24	1815	277	1.64	3321	395
7.15	156	60	4.15	513	128	2.23	1831	279	1.63	3360	398
7.10	159	60	4.10	527	130	2.22	1847	280	1.62	3399	401
7.05	161	61	4.05	541	133	2.21	1864	282	1.61	3439	403
-7.00	-164	+62	-4.00	-555	+135	-2.20	-1881	+283	-1.60	-3480	+406

$$\bar{\omega} = 0.08$$

$$n = 0$$

Auxiliary Table

$4\pi W_e \times 10^4$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.81546	+751	-0.06626	-142	+1.00	+48555	-2576	+1.60	+43679	-4768	
0.9	0.87746	862	0.05089	153	1.01	48413	2615	1.61	43634	4803	
0.8	0.94811	990	0.03705	166	1.02	48275	2654	1.62	43590	4838	
0.7	1.02869	1135	0.02487	179	1.03	48140	2692	1.63	43546	4872	
0.6	1.12065	1296	0.01448	197	1.04	48008	2731	1.64	43503	4907	
-0.5	+1.22558	+1463	-0.00606	-213	+1.05	+47879	-2769	+1.65	+43461	-4942	
0.4	1.34514	1633	+0.00023	232	1.06	47753	2808	1.66	43419	4977	
0.3	1.48100	1787	0.00420	253	1.07	47630	2846	1.67	43378	5011	
0.2	1.63468	1913	0.00564	276	1.08	47510	2884	1.68	43337	5046	
-0.1	1.80741	1996	+0.00432	300	1.09	47393	2922	1.69	43297	5081	
0.0	+2.00000	+2022	0.00000	-324	+1.10	+47278	-2960	+1.70	+43258	-5115	
+0.1	2.21270	1988	-0.00756	349	1.11	47166	2997	1.71	43219	5150	
0.2	2.44518	1898	0.01861	372	1.12	47056	3035	1.72	43180	5185	
0.3	2.69656	1763	0.03338	395	1.13	46948	3073	1.73	43143	5219	
0.4	2.96552	1602	0.05210	415	1.14	46843	3110	1.74	43105	5254	
+0.5	+3.25047	+1424	-0.07497	-436	+1.15	+46741	-3148	+1.75	+43068	-5288	
0.6	3.54966	1248	0.10220	450	1.16	46640	3185	1.76	43032	5322	
0.7	3.86135	1083	0.13393	466	1.17	46541	3222	1.77	42996	5357	
0.8	4.18389	926	0.17032	481	1.18	46445	3259	1.78	42961	5391	
0.9	4.51573	792	0.21152	492	1.19	46350	3296	1.79	42926	5426	
+1.0	+4.85552	+672	-0.25764	-502	+1.20	+46258	-3334	+1.80	+42891	-5460	
	$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln t $				1.21	46167	3370	1.81	42857	5494	
	$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln t $				1.22	46078	3407	1.82	42823	5528	
					1.23	45991	3444	1.83	42790	5563	
					1.24	45906	3481	1.84	42757	5597	
					+1.25	+45822	-3518	+1.85	+42725	-5631	
					1.26	45740	3554	1.86	42692	5665	
					1.27	45660	3591	1.87	42661	5699	
					1.28	45581	3627	1.88	42629	5734	
					1.29	45504	3664	1.89	42598	5768	
-1.60	-3480	+406	-1.30	-5117	+507	+1.30	+45428	-3700	+1.90	+42568	-5802
1.59	3522	409	1.29	5189	512	1.31	45354	3736	1.91	42538	5836
1.58	3564	412	1.28	5263	516	1.32	45281	3773	1.92	42508	5870
1.57	3607	415	1.27	5339	520	1.33	45209	3809	1.93	42478	5904
1.56	3650	418	1.26	5416	524	1.34	45139	3845	1.94	42449	5938
-1.55	-3695	+420	-1.25	-5495	+529	+1.35	+45070	-3881	+1.95	+42420	-5972
1.54	3740	423	1.24	5575	533	1.36	45002	3917	1.96	42391	6006
1.53	3786	426	1.23	5657	538	1.37	44935	3953	1.97	42363	6039
1.52	3833	429	1.22	5741	542	1.38	44870	3989	1.98	42335	6073
1.51	3880	433	1.21	5827	547	1.39	44806	4025	1.99	42307	6107
-1.50	-3929	+436	-1.20	-5914	+551	+1.40	+44743	-4061	+2.00	+42280	-6141
1.49	3978	439	1.19	6004	556	1.41	44680	4096	2.01	42253	6175
1.48	4028	442	1.18	6095	561	1.42	44620	4132	2.02	42226	6209
1.47	4080	445	1.17	6189	566	1.43	44560	4168	2.03	42199	6242
1.46	4132	449	1.16	6284	571	1.44	44501	4204	2.04	42173	6276
-1.45	-4185	+452	-1.15	-6382	+576	+1.45	+44443	-4239	+2.05	+42147	-6310
1.44	4239	455	1.14	6482	581	1.46	44386	4275	2.06	42121	6344
1.43	4294	459	1.13	6584	586	1.47	44330	4310	2.07	42096	6377
1.42	4350	462	1.12	6688	592	1.48	44275	4346	2.08	42070	6411
1.41	4408	466	1.11	6795	597	1.49	44221	4381	2.09	42045	6445
-1.40	-4466	+469	-1.10	-6905	+603	+1.50	+44168	-4416	+2.10	+42021	-6478
1.39	4526	473	1.09	7017	608	1.51	44115	4452	2.11	41996	6512
1.38	4586	476	1.08	7131	614	1.52	44064	4487	2.12	41972	6545
1.37	4648	480	1.07	7249	619	1.53	44013	4522	2.13	41947	6579
1.36	4711	484	1.06	7369	625	1.54	43963	4557	2.14	41924	6613
-1.35	-4775	+488	-1.05	-7492	+631	+1.55	+43914	-4592	+2.15	+41900	-6646
1.34	4841	491	1.04	7618	637	1.56	43865	4628	2.16	41876	6680
1.33	4908	495	1.03	7747	643	1.57	43817	4663	2.17	41853	6713
1.32	4976	499	1.02	7880	650	1.58	43771	4698	2.18	41830	6747
1.31	5046	503	1.01	8015	656	1.59	43724	4733	2.19	41807	6780
-1.30	-5117	+507	-1.00	-8155	+663	+1.60	+43679	-4768	+2.20	+41785	-6814

$\bar{\omega} = 0.08$
 $n = 0$

$4\pi W_e \times 10^4$

t	R	I	t	R	I	t	R	I	t	R	I
+2.20	+41785	-6814	+4.00	+39028	-12615	+9.0	+30563	-26683	+15.0	+14713	-37758
2.21	41762	6847	4.05	38962	12771	9.1	30346	26927	15.1	14410	37875
2.22	41740	6880	4.10	38896	12926	9.2	30127	27169	15.2	14106	37989
2.23	41718	6914	4.15	38830	13082	9.3	29906	27409	15.3	13801	38100
2.24	41696	6947	4.20	38764	13237	9.4	29684	27647	15.4	13495	38210
+2.25	+41674	-6980	+4.25	+38698	-13392	+9.5	+29459	-27884	+15.5	+13189	-38316
2.26	41653	7014	4.30	38632	13547	9.6	29233	28118	15.6	12881	38421
2.27	41631	7047	4.35	38565	13701	9.7	29005	28351	15.7	12573	38522
2.28	41610	7080	4.40	38498	13855	9.8	28775	28583	15.8	12264	38622
2.29	41589	7114	4.45	38431	14009	9.9	28543	28812	15.9	11954	38719
+2.30	+41568	-7147	+4.50	+38364	-14162	+10.0	+28310	-29039	+16.0	+11643	-38813
2.31	41547	7180	4.55	38297	14316	10.1	28074	29265	16.1	11332	38905
2.32	41527	7213	4.60	38229	14469	10.2	27838	29488	16.2	11020	38994
2.33	41506	7247	4.65	38161	14622	10.3	27599	29710	16.3	10707	39081
2.34	41486	7280	4.70	38092	14774	10.4	27359	29930	16.4	10394	39166
+2.35	+41466	-7313	+4.75	+38024	-14926	+10.5	+27116	-30148	+16.5	+10079	-39248
2.36	41446	7346	4.80	37955	15078	10.6	26873	30364	16.6	9765	39327
2.37	41426	7379	4.85	37886	15230	10.7	26627	30578	16.7	9449	39404
2.38	41407	7412	4.90	37816	15381	10.8	26380	30790	16.8	9133	39478
2.39	41387	7446	4.95	37746	15533	10.9	26132	31000	16.9	8817	39550
+2.40	+41368	-7479	+5.0	+37676	-15683	+11.0	+25881	-31208	+17.0	+8500	-39619
2.41	41348	7512	5.1	37534	15984	11.1	25629	31414	17.1	8182	39686
2.42	41329	7545	5.2	37390	16284	11.2	25376	31618	17.2	7864	39750
2.43	41310	7578	5.3	37245	16582	11.3	25121	31820	17.3	7545	39812
2.44	41291	7611	5.4	37098	16880	11.4	24864	32020	17.4	7226	39871
+2.45	+41273	-7644	+5.5	+36950	-17176	+11.5	+24605	-32218	+17.5	+6907	-39927
2.46	41254	7677	5.6	36800	17471	11.6	24346	32414	17.6	6587	39981
2.47	41235	7710	5.7	36648	17765	11.7	24084	32608	17.7	6266	40033
2.48	41217	7743	5.8	36494	18057	11.8	23821	32799	17.8	5946	40082
2.49	41199	7776	5.9	36339	18349	11.9	23557	32989	17.9	5624	40128
+2.50	+41181	-7809	+6.0	+36182	-18639	+12.0	+23291	-33176	+18.0	+5303	-40172
2.55	41091	7973	6.1	36022	18928	12.1	23024	33361	18.1	4981	40213
2.60	41005	8138	6.2	35861	19215	12.2	22755	33545	18.2	4659	40251
2.65	40920	8301	6.3	35698	19501	12.3	22485	33725	18.3	4336	40287
2.70	40837	8465	6.4	35533	19786	12.4	22213	33904	18.4	4014	40321
+2.75	+40757	-8628	+6.5	+35367	-20070	+12.5	+21940	-34081	+18.5	+3690	-40351
2.80	40678	8791	6.6	35198	20352	12.6	21666	34255	18.6	3367	40380
2.85	40601	8953	6.7	35027	20633	12.7	21390	34427	18.7	3044	40405
2.90	40525	9116	6.8	34855	20913	12.8	21113	34597	18.8	2720	40428
2.95	40450	9278	6.9	34680	21191	12.9	20835	34765	18.9	2396	40449
+3.00	+40377	-9439	+7.0	+34503	-21467	+13.0	+20555	-34931	+19.0	+2072	-40467
3.05	40304	9601	7.1	34325	21743	13.1	20274	35094	19.1	1748	40482
3.10	40233	9762	7.2	34144	22017	13.2	19992	35255	19.2	1424	40495
3.15	40162	9923	7.3	33962	22289	13.3	19708	35414	19.3	1100	40505
3.20	40092	10083	7.4	33778	22560	13.4	19424	35570	19.4	775	40512
+3.25	+40023	-10243	+7.5	+33591	-22830	+13.5	+19138	-35725	+19.5	+451	-40517
3.30	39955	10403	7.6	33403	23098	13.6	18850	35877	19.6	127	40520
3.35	39887	10563	7.7	33213	23364	13.7	18562	36026	19.7	198	40519
3.40	39819	10722	7.8	33021	23629	13.8	18272	36174	19.8	522	40516
3.45	39752	10882	7.9	32826	23892	13.9	17982	36319	19.9	847	40511
+3.50	+39685	-11041	+8.0	+32630	-24154	+14.0	+17690	-36461	+20.0	-1171	-40503
3.55	39619	11199	8.1	32432	24415	14.1	17397	36602	20.1	1495	40492
3.60	39553	11357	8.2	32232	24673	14.2	17103	36740	20.2	1819	40479
3.65	39487	11516	8.3	32030	24930	14.3	16808	36875	20.3	2143	40463
3.70	39421	11673	8.4	31826	25186	14.4	16512	37009	20.4	2467	40445
+3.75	+39356	-11831	+8.5	+31621	-25439	+14.5	+16214	-37139	+20.5	-2791	-40424
3.80	39290	11988	8.6	31413	25691	14.6	15916	37268	20.6	3114	40400
3.85	39224	12145	8.7	31203	25942	14.7	15617	37394	20.7	3438	40374
3.90	39159	12302	8.8	30992	26191	14.8	15316	37518	20.8	3761	40345
3.95	39093	12458	8.9	30778	26438	14.9	15015	37639	20.9	4084	40314
+4.00	+39028	-12615	+9.0	+30563	-26683	+15.0	+14713	-37758	+21.0	-4406	-40280

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+21.0	-4406	-40280	+27.0	-22517	-33601	+33.0	-35535	-19484	+39.0	-40519	-873
21.1	4729	40243	27.1	22786	33510	33.1	35689	19199	39.1	40525	549
21.2	5051	40204	27.2	23053	33326	33.2	35842	18913	39.2	40528	-224
21.3	5372	40162	27.3	23319	33141	33.3	35992	18626	39.3	40528	+100
21.4	5694	40118	27.4	23584	32953	33.4	36140	18337	39.4	40526	424
+21.5	-6015	-40071	+27.5	-23847	-32763	+33.5	-36286	-18048	+39.5	-40522	+748
21.6	6335	40022	27.6	24108	32571	33.6	36429	17757	39.6	40514	1072
21.7	6655	39970	27.7	24368	32378	33.7	36570	17465	39.7	40504	1396
21.8	6975	39915	27.8	24626	32182	33.8	36708	17172	39.8	40492	1720
21.9	7294	39858	27.9	24883	31984	33.9	36845	16878	39.9	40477	2044
+22.0	-7613	-39799	+28.0	-25138	-31783	+34.0	-36979	-16582	+40.0	-40459	+2368
22.1	7931	39736	28.1	25392	31581	34.1	37110	16286	40.1	40439	2692
22.2	8249	39672	28.2	25644	31377	34.2	37239	15988	40.2	40416	3015
22.3	8567	39604	28.3	25894	31171	34.3	37366	15690	40.3	40391	3338
22.4	8883	39535	28.4	26143	30963	34.4	37491	15391	40.4	40363	3661
+22.5	-9199	-39462	+28.5	-26390	-30753	+34.5	-37613	-15090	+40.5	-40332	+3984
22.6	9515	39387	28.6	26635	30541	34.6	37732	14789	40.6	40299	4307
22.7	9830	39310	28.7	26878	30327	34.7	37849	14487	40.7	40264	4629
22.8	10144	39230	28.8	27120	30111	34.8	37964	14183	40.8	40225	4951
22.9	10458	39148	28.9	27360	29893	34.9	38076	13879	40.9	40184	5273
+23.0	-10771	-39063	+29.0	-27599	-29673	+35.0	-38186	-13574	+41.0	-40141	+5594
23.1	11083	38975	29.1	27835	29451	35.1	38294	13268	41.1	40095	5915
23.2	11395	38886	29.2	28070	29227	35.2	38399	12961	41.2	40046	6235
23.3	11706	38793	29.3	28303	29002	35.3	38501	12654	41.3	39995	6556
23.4	12016	38698	29.4	28534	28775	35.4	38601	12345	41.4	39941	6875
+23.5	-12325	-38601	+29.5	-28764	-28545	+35.5	-38699	-12036	+41.5	-39885	+7195
23.6	12634	38501	29.6	28991	28314	35.6	38794	11726	41.6	39826	7513
23.7	12942	38399	29.7	29217	28082	35.7	38886	11416	41.7	39765	7832
23.8	13248	38294	29.8	29441	27847	35.8	38976	11104	41.8	39701	8150
23.9	13555	38187	29.9	29663	27610	35.9	39064	10792	41.9	39635	8467
+24.0	-13860	-38077	+30.0	-29883	-27372	+36.0	-39149	-10479	+42.0	-39566	+8784
24.1	14164	37965	30.1	30101	27132	36.1	39232	10166	42.1	39494	9100
24.2	14467	37851	30.2	30317	26891	36.2	39312	9851	42.2	39420	9416
24.3	14770	37734	30.3	30531	26647	36.3	39389	9537	42.3	39344	9731
24.4	15072	37614	30.4	30743	26402	36.4	39465	9221	42.4	39265	10045
+24.5	-15372	-37492	+30.5	-30954	-26155	+36.5	-39537	-8905	+42.5	-39183	+10359
24.6	15672	37368	30.6	31162	25907	36.6	39607	8589	42.6	39099	10672
24.7	15970	37242	30.7	31368	25657	36.7	39675	8271	42.7	39012	10985
24.8	16268	37113	30.8	31573	25405	36.8	39740	7954	42.8	38923	11296
24.9	16564	36981	30.9	31775	25152	36.9	39802	7636	42.9	38832	11607
+25.0	-16860	-36848	+31.0	-31975	-24897	+37.0	-39862	-7317	+43.0	-38737	+11918
25.1	17154	36712	31.1	32173	24640	37.1	39919	6998	43.1	38641	12227
25.2	17447	36573	31.2	32370	24382	37.2	39974	6678	43.2	38542	12536
25.3	17739	36433	31.3	32564	24122	37.3	40026	6358	43.3	38440	12844
25.4	18030	36289	31.4	32756	23861	37.4	40076	6038	43.4	38336	13151
+25.5	-18320	-36144	+31.5	-32946	-23598	+37.5	-40123	-5717	+43.5	-38230	+13457
25.6	18609	35996	31.6	33133	23334	37.6	40167	5396	43.6	38121	13763
25.7	18896	35846	31.7	33319	23068	37.7	40209	5074	43.7	38010	14067
25.8	19183	35694	31.8	33503	22801	37.8	40248	4753	43.8	37896	14371
25.9	19468	35539	31.9	33684	22532	37.9	40285	4430	43.9	37780	14673
+26.0	-19752	-35382	+32.0	-33863	-22262	+38.0	-40319	-4108	+44.0	-37661	+14975
26.1	20034	35223	32.1	34040	21990	38.1	40351	3785	44.1	37540	15276
26.2	20315	35062	32.2	34215	21717	38.2	40380	3462	44.2	37417	15576
26.3	20595	34898	32.3	34388	21443	38.3	40406	3139	44.3	37291	15875
26.4	20874	34732	32.4	34558	21167	38.4	40430	2816	44.4	37163	16172
+26.5	-21151	-34564	+32.5	-34727	-20890	+38.5	-40451	-2492	+44.5	-37033	+16469
26.6	21427	34394	32.6	34893	20611	38.6	40470	2169	44.6	36900	16765
26.7	21702	34221	32.7	35057	20331	38.7	40486	1845	44.7	36764	17060
26.8	21975	34047	32.8	35218	20050	38.8	40500	1521	44.8	36627	17353
26.9	22247	33870	32.9	35378	19768	38.9	40511	1197	44.9	36487	17646
+27.0	-22517	-33691	+33.0	-35535	-19484	+39.0	-40519	-873	+45.0	-36345	+17937

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+45.0	-36345	+17937	+51.0	-23956	+32694	+57.0	-6152	+40061	+63.0	+13042	+38375
45.1	36200	18227	51.1	23693	32884	57.1	5831	40109	63.1	13349	38270
45.2	36053	18516	51.2	23430	33073	57.2	5510	40155	63.2	13655	38162
45.3	35904	18804	51.3	23164	33259	57.3	5189	40198	63.3	13959	38051
45.4	35752	19091	51.4	22898	33443	57.4	4867	40238	63.4	14263	37939
+45.5	-35598	+19376	+51.5	-22629	+33625	+57.5	-4545	+40275	+63.5	+14566	+37823
45.6	35442	19660	51.6	22360	33805	57.6	4223	40310	63.6	14868	37705
45.7	35284	19943	51.7	22088	33983	57.7	3900	40343	63.7	15170	37585
45.8	35123	20225	51.8	21816	34159	57.8	3577	40373	63.8	15470	37463
45.9	34960	20505	51.9	21542	34332	57.9	3254	40400	63.9	15769	37338
+46.0	-34795	+20784	+52.0	-21267	+34503	+58.0	-2931	+40425	+64.0	+16067	+37210
46.1	34628	21062	52.1	20990	34673	58.1	2608	40447	64.1	16364	37081
46.2	34458	21338	52.2	20712	34839	58.2	2284	40467	64.2	16660	36949
46.3	34286	21613	52.3	20433	35004	58.3	1960	40484	64.3	16956	36814
46.4	34112	21887	52.4	20152	35166	58.4	1636	40498	64.4	17249	36677
+46.5	-33936	+22159	+52.5	-19870	+35326	+58.5	-1312	+40510	+64.5	+17542	+36538
46.6	33758	22430	52.6	19587	35484	58.6	988	40519	64.6	17834	36397
46.7	33577	22699	52.7	19302	35640	58.7	664	40526	64.7	18125	36253
46.8	33395	22967	52.8	19016	35793	58.8	340	40530	64.8	18414	36107
46.9	33210	23233	52.9	18730	35944	58.9	15	40531	64.9	18702	35958
+47.0	-33023	+23498	+53.0	-18441	+36093	+59.0	+309	+40530	+65.0	+18989	+35808
47.1	32834	23762	53.1	18152	36239	59.1	633	40526	65.1	19275	35654
47.2	32643	24024	53.2	17862	36383	59.2	957	40520	65.2	19560	35499
47.3	32450	24284	53.3	17570	36525	59.3	1281	40511	65.3	19843	35342
47.4	32254	24543	53.4	17277	36664	59.4	1605	40499	65.4	20125	35182
+47.5	-32057	+24800	+53.5	-16983	+36801	+59.5	+1929	+40485	+65.5	+20406	+35020
47.6	31858	25056	53.6	16688	36936	59.6	2253	40468	65.6	20686	34855
47.7	31656	25310	53.7	16392	37068	59.7	2577	40449	65.7	20964	34689
47.8	31453	25562	53.8	16095	37198	59.8	2900	40427	65.8	21241	34520
47.9	31247	25813	53.9	15797	37326	59.9	3224	40403	65.9	21516	34349
+48.0	-31040	+26062	+54.0	-15498	+37451	+60.0	+3547	+40376	+66.0	+21790	+34175
48.1	30830	26310	54.1	15198	37574	60.1	3870	40346	66.1	22063	34000
48.2	30619	26556	54.2	14897	37694	60.2	4192	40314	66.2	22334	33822
48.3	30406	26800	54.3	14595	37812	60.3	4515	40279	66.3	22604	33643
48.4	30190	27042	54.4	14292	37928	60.4	4837	40242	66.4	22872	33461
+48.5	-29973	+27283	+54.5	-13988	+38041	+60.5	+5158	+40202	+66.5	+23139	+33277
48.6	29754	27522	54.6	13684	38151	60.6	5480	40159	66.6	23405	33091
48.7	29533	27759	54.7	13378	38260	60.7	5801	40114	66.7	23669	32902
48.8	29310	27994	54.8	13071	38366	60.8	6122	40066	66.8	23931	32712
48.9	29085	28228	54.9	12764	38469	60.9	6442	40016	66.9	24192	32519
+49.0	-28858	+28459	+55.0	-12456	+38570	+61.0	+6762	+39963	+67.0	+24451	+32325
49.1	28630	28689	55.1	12147	38668	61.1	7081	39908	67.1	24709	32128
49.2	28399	28917	55.2	11837	38764	61.2	7400	39850	67.2	24966	31930
49.3	28167	29144	55.3	11527	38858	61.3	7719	39789	67.3	25220	31729
49.4	27933	29368	55.4	11216	38948	61.4	8037	39726	67.4	25473	31526
+49.5	-27697	+29591	+55.5	-10904	+39037	+61.5	+8355	+39661	+67.5	+25725	+31321
49.6	27459	29811	55.6	10591	39123	61.6	8672	39593	67.6	25974	31114
49.7	27220	30030	55.7	10278	39206	61.7	8988	39522	67.7	26222	30906
49.8	26979	30247	55.8	9964	39287	61.8	9304	39449	67.8	26469	30695
49.9	26736	30462	55.9	9649	39366	61.9	9619	39373	67.9	26713	30482
+50.0	-26492	+30675	+56.0	-9334	+39442	+62.0	+9934	+39295	+68.0	+26956	+30267
50.1	26245	30886	56.1	9018	39515	62.1	10248	39214	68.1	27198	30051
50.2	25998	31095	56.2	8702	39586	62.2	10561	39131	68.2	27437	29832
50.3	25748	31302	56.3	8385	39654	62.3	10874	39045	68.3	27675	29612
50.4	25497	31507	56.4	8067	39720	62.4	11186	38957	68.4	27911	29389
+50.5	-25244	+31709	+56.5	-7749	+39783	+62.5	+11497	+38866	+68.5	+28145	+29165
50.6	24990	31910	56.6	7431	39844	62.6	11808	38773	68.6	28378	28939
50.7	24733	32109	56.7	7112	39902	62.7	12118	38677	68.7	28608	28711
50.8	24476	32306	56.8	6792	39958	62.8	12427	38579	68.8	28837	28481
50.9	24217	32501	56.9	6472	40011	62.9	12735	38479	68.9	29064	28250
+51.0	-23956	+32694	+57.0	-6152	+40061	+63.0	+13042	+38375	+69.0	+29289	+28016

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+69.0	+29289	+28016	+74.5	+38432	+12873	+80.0	+40254	-4723	+85.5	+34408	-21419
69.1	29512	27781	74.6	38534	12565	80.1	40215	5045	85.6	34236	21694
69.2	29733	27544	74.7	38633	12256	80.2	40173	5367	85.7	34061	21967
69.3	29953	27395	74.8	38730	11947	80.3	40129	5688	85.8	33884	22239
69.4	30170	27065	74.9	38824	11636	80.4	40082	6009	85.9	33705	22509
+69.5	+30386	+26823	+75.0	+38916	+11326	+80.5	+40033	-6329	+86.0	+33524	-22778
69.6	30599	26579	75.1	39005	11014	80.6	39981	6649	86.1	33341	23045
69.7	30811	26333	75.2	39092	10701	80.7	39927	6969	86.2	33155	23311
69.8	31021	26086	75.3	39177	10388	80.8	39870	7288	86.3	32968	23576
69.9	31228	25837	75.4	39258	10075	80.9	39810	7607	86.4	32778	23839
+70.0	+31434	+25586	+75.5	+39338	+9760	+81.0	+39748	-7925	+86.5	+32586	-24100
70.1	31638	25334	75.6	39415	9445	81.1	39683	8243	86.6	32393	24360
70.2	31839	25080	75.7	39489	9130	81.2	39616	8560	86.7	32197	24619
70.3	32039	24825	75.8	39561	8813	81.3	39546	8877	86.8	31999	24875
70.4	32237	24567	75.9	39630	8497	81.4	39474	9193	86.9	31799	25131
+70.5	+32432	+24309	+76.0	+39697	+8179	+81.5	+39399	-9508	+87.0	+31597	-25384
70.6	32626	24048	76.1	39761	7861	81.6	39322	9823	87.1	31392	25636
70.7	32817	23787	76.2	39822	7543	81.7	39242	10137	87.2	31186	25886
70.8	33006	23523	76.3	39881	7224	81.8	39160	10451	87.3	30978	26135
70.9	33193	23259	76.4	39938	6905	81.9	39075	10764	87.4	30768	26382
+71.0	+33378	+22992	+76.5	+39992	+6585	+82.0	+38988	-11076	+87.5	+30556	-26627
71.1	33561	22725	76.6	40043	6265	82.1	38908	11388	87.6	30342	26871
71.2	33742	22455	76.7	40092	5945	82.2	38805	11699	87.7	30126	27113
71.3	33920	22185	76.8	40138	5624	82.3	38711	12009	87.8	29908	27353
71.4	34097	21913	76.9	40182	5302	82.4	38613	12318	87.9	29689	27591
+71.5	+34271	+21639	+77.0	+40223	+4981	+82.5	+38513	-12626	+88.0	+29467	-27828
71.6	34443	21364	77.1	40262	4659	82.6	38411	12934	88.1	29243	28063
71.7	34613	21088	77.2	40298	4337	82.7	38306	13241	88.2	29018	28296
71.8	34780	20811	77.3	40331	4014	82.8	38199	13547	88.3	28790	28527
71.9	34946	20532	77.4	40362	3691	82.9	38090	13852	88.4	28561	28757
+72.0	+35109	+20251	+77.5	+40390	+3368	+83.0	+37978	-14156	+88.5	+28330	-28984
72.1	35270	19970	77.6	40416	3045	83.1	37863	14460	88.6	28098	29210
72.2	35428	19687	77.7	40439	2722	83.2	37746	14762	88.7	27863	29434
72.3	35585	19403	77.8	40459	2398	83.3	37627	15064	88.8	27627	29656
72.4	35739	19118	77.9	40477	2074	83.4	37505	15364	88.9	27388	29876
+72.5	+35891	+18831	+78.0	+40492	+1750	+83.5	+37381	-15664	+89.0	+27149	-30094
72.6	36040	18543	78.1	40505	1426	83.6	37255	15962	89.1	26907	30310
72.7	36187	18255	78.2	40515	1102	83.7	37126	16260	89.2	26664	30524
72.8	36332	17965	78.3	40523	778	83.8	36995	16556	89.3	26419	30737
72.9	36475	17673	78.4	40528	454	83.9	36861	16852	89.4	26172	30947
+73.0	+36615	+17381	+78.5	+40530	+130	+84.0	+36725	-17146	+89.5	+25923	-31155
73.1	36753	17087	78.6	40530	-195	84.1	36587	17439	89.6	25673	31362
73.2	36888	16793	78.7	40527	519	84.2	36446	17731	89.7	25422	31566
73.3	37021	16497	78.8	40521	843	84.3	36303	18022	89.8	25168	31769
73.4	37152	16201	78.9	40513	1167	84.4	36158	18312	89.9	24913	31969
+73.5	+37280	+15903	+79.0	+40503	-1491	+84.5	+36010	-18601	+90.0	+24657	-32167
73.6	37407	15604	79.1	40490	1815	84.6	35860	18888	90.1	24399	32363
73.7	37530	15304	79.2	40474	2139	84.7	35708	19175	90.2	24139	32558
73.8	37651	15004	79.3	40455	2463	84.8	35553	19460	90.3	23878	32750
73.9	37770	14702	79.4	40434	2786	84.9	35396	19744	90.4	23615	32940
+74.0	+37887	+14399	+79.5	+40411	-3110	+85.0	+35237	-20026	+90.5	+23351	-33127
74.1	38001	14096	79.6	40385	3433	85.1	35076	20307	90.6	23085	33313
74.2	38112	13791	79.7	40356	3756	85.2	34912	20587	90.7	22818	33497
74.3	38221	13486	79.8	40325	4079	85.3	34746	20866	90.8	22549	33678
74.4	38328	13180	79.9	40291	4401	85.4	34578	21143	90.9	22279	33858
+74.5	+38432	+12873	+80.0	+40254	-4723	+85.5	+34408	-21419	+91.0	+22007	-34035

$$\bar{\omega} = 0.08$$

$$4\pi W_e \times 10^4$$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+91.0	+22007	-34035	+96.5	+5414	-40167	-100	0	0	-7.0	-153	+59
91.1	21734	34210	96.6	5093	40209	95	0	0	6.9	158	61
91.2	21460	34382	96.7	4771	40248	90	0	0	6.8	163	62
91.3	21184	34553	96.8	4449	40285	85	0	0	6.7	168	63
91.4	20907	34721	96.9	4126	40319	80	0	0	6.6	174	65
+91.5	+20629	-34888	+97.0	+3804	-40351	-75	0	0	-6.5	-179	+66
91.6	20349	35051	97.1	3481	40380	70	0	+1	6.4	185	68
91.7	20068	35213	97.2	3158	40407	65	0	1	6.3	191	69
91.8	19785	35373	97.3	2834	40431	60	-1	1	6.2	198	71
91.9	19502	35530	97.4	2511	40452	55	1	1	6.1	205	72
+92.0	+19217	-35685	+97.5	+2187	-40471	-50	-1	+1	-6.0	-212	+74
92.1	18931	35837	97.6	1863	40487	45	1	2	5.9	219	76
92.2	18644	35988	97.7	1539	40501	40	2	2	5.8	227	77
92.3	18355	36135	97.8	1215	40512	35	3	3	5.7	235	79
92.4	18065	36281	97.9	891	40520	30	4	4	5.6	244	81
+92.5	+17775	-36425	+98.0	+567	-40526	-25.0	-7	+6	-5.5	-253	+83
92.6	17483	36566	98.1	+243	40529	24.5	7	7	5.4	262	85
92.7	17189	36704	98.2	-82	40530	24.0	7	7	5.3	272	87
92.8	16895	36841	98.3	406	40528	23.5	8	7	5.2	283	89
92.9	16600	36975	98.4	730	40524	23.0	8	8	5.1	294	92
+93.0	+16304	-37106	+98.5	-1054	-40516	-22.5	-9	+8	-5.0	-305	+94
93.1	16006	37235	98.6	1378	40507	22.0	10	8	4.9	318	97
93.2	15708	37362	98.7	1702	40494	21.5	10	9	4.8	331	99
93.3	15409	37487	98.8	2026	40479	21.0	11	9	4.7	344	102
93.4	15108	37609	98.9	2350	40462	20.5	12	10	4.6	359	105
+93.5	+14807	-37728	+99.0	-2674	-40442	-20.0	-12	+10	-4.5	-374	+108
93.6	14504	37846	99.1	2997	40419	19.5	13	11	4.4	391	111
93.7	14201	37961	99.2	3320	40394	19.0	14	11	4.3	408	114
93.8	13897	38073	99.3	3643	40366	18.5	15	12	4.2	426	117
93.9	13592	38183	99.4	3966	40336	18.0	16	12	4.1	446	121
+94.0	+13286	-38290	+99.5	-4289	-40303	-17.5	-18	+13	-4.0	-466	+125
94.1	12979	38395	99.6	4611	40267	17.0	19	14	3.9	488	128
94.2	12672	38498	99.7	4933	40229	16.5	20	15	3.8	512	132
94.3	12363	38598	99.8	5255	40188	16.0	22	15	3.7	537	137
94.4	12054	38696	99.9	5576	40145	15.5	24	16	3.6	564	141
+94.5	+11744	-38791	+100.0	-5897	-40099	-15.0	-26	+17	-3.5	-592	+146
94.6	11434	38884				14.5	28	18	3.4	623	150
94.7	11122	38974				14.0	31	19	3.3	656	156
94.8	10810	39062				13.5	34	21	3.2	691	161
94.9	10497	39147				13.0	37	22	3.1	728	167
+95.0	+10184	-39230				-12.5	-41	+24	-3.00	-769	+173
95.1	9870	39310				12.0	45	26	2.99	773	173
95.2	9555	39388				11.5	50	28	2.98	777	174
95.3	9239	39463				11.0	55	30	2.97	782	174
95.4	8923	39535				10.5	62	32	2.96	786	175
+95.5	+8607	-39606				-10.0	-69	+34	-2.95	-790	+176
95.6	8290	39673				9.5	78	37	2.94	795	176
95.7	7972	39738				9.0	88	41	2.93	799	177
95.8	7654	39801				8.5	100	44	2.92	804	178
95.9	7335	39861				8.0	115	49	2.91	808	178
+96.0	+7016	-39918				-7.5	-132	+54	-2.90	-813	+179
96.1	6697	39973				7.4	136	55	2.89	817	180
96.2	6377	40025				7.3	140	56	2.88	822	180
96.3	6056	40075				7.2	144	57	2.87	826	181
96.4	5735	40122				7.1	149	58	2.86	831	182
+96.5	+5414	-40167				-7.0	-153	+59	-2.85	-836	+182

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
-2.85	-836	+182	-2.25	-1196	+230	-1.65	-1795	+301	-1.05	-2835	+409
2.84	840	183	2.24	1204	231	1.64	1808	302	1.04	2858	412
2.83	845	184	2.23	1212	232	1.63	1821	304	1.03	2881	414
2.82	850	184	2.22	1219	233	1.62	1834	305	1.02	2904	416
2.81	855	185	2.21	1227	234	1.61	1847	306	1.01	2928	419
-2.80	-860	+186	-2.20	-1235	+235	-1.60	-1861	+308	-1.00	-2952	+421
2.79	864	186	2.19	1243	236	1.59	1874	309	0.99	2975	423
2.78	869	187	2.18	1251	237	1.58	1888	311	0.98	3000	426
2.77	874	188	2.17	1259	238	1.57	1902	312	0.97	3024	428
2.76	879	188	2.16	1267	239	1.56	1916	314	0.96	3049	431
-2.75	-884	+189	-2.15	-1276	+240	-1.55	-1930	+316	-0.95	-3073	+433
2.74	890	190	2.14	1284	241	1.54	1944	317	0.94	3098	436
2.73	895	191	2.13	1292	242	1.53	1959	319	0.93	3124	438
2.72	900	191	2.12	1301	243	1.52	1973	320	0.92	3149	441
2.71	905	192	2.11	1309	244	1.51	1988	322	0.91	3175	443
-2.70	-910	+193	-2.10	-1318	+245	-1.50	-2003	+323	-0.90	-3201	+446
2.69	916	193	2.09	1326	246	1.49	2017	325	0.89	3227	448
2.68	921	194	2.08	1335	247	1.48	2032	327	0.88	3254	451
2.67	926	195	2.07	1344	248	1.47	2048	328	0.87	3281	453
2.66	932	196	2.06	1353	249	1.46	2063	330	0.86	3307	456
-2.65	-937	+196	-2.05	-1362	+251	-1.45	-2078	+332	-0.85	-3335	+459
2.64	943	197	2.04	1371	252	1.44	2094	333	0.84	3362	461
2.63	948	198	2.03	1380	253	1.43	2110	335	0.83	3390	464
2.62	954	199	2.02	1389	254	1.42	2126	337	0.82	3418	467
2.61	960	199	2.01	1399	255	1.41	2142	338	0.81	3446	470
-2.60	-965	+200	-2.00	-1408	+256	-1.40	-2158	+340	-0.80	-3475	+472
2.59	971	201	1.99	1417	257	1.39	2174	342	0.79	3503	475
2.58	977	202	1.98	1427	258	1.38	2191	344	0.78	3532	478
2.57	983	203	1.97	1437	260	1.37	2208	345	0.77	3562	481
2.56	988	203	1.96	1446	261	1.36	2225	347	0.76	3591	484
-2.55	-994	+204	-1.95	-1456	+262	-1.35	-2242	+349	-0.75	-3621	+487
2.54	1000	205	1.94	1466	263	1.34	2259	351	0.74	3651	490
2.53	1006	206	1.93	1476	264	1.33	2276	352	0.73	3681	492
2.52	1012	207	1.92	1486	265	1.32	2294	354	0.72	3712	495
2.51	1019	207	1.91	1496	267	1.31	2311	356	0.71	3742	498
-2.50	-1025	+208	-1.90	-1506	+268	-1.30	-2329	+358	-0.70	-3773	+501
2.49	1031	209	1.89	1517	269	1.29	2347	360	0.69	3805	504
2.48	1037	210	1.88	1527	270	1.28	2365	362	0.68	3836	507
2.47	1043	211	1.87	1538	271	1.27	2384	364	0.67	3868	511
2.46	1050	212	1.86	1548	273	1.26	2402	366	0.66	3900	514
-2.45	-1056	+212	-1.85	-1559	+274	-1.25	-2421	+368	-0.65	-3932	+517
2.44	1063	213	1.84	1570	275	1.24	2440	369	0.64	3965	520
2.43	1069	214	1.83	1581	276	1.23	2459	371	0.63	3998	523
2.42	1076	215	1.82	1592	278	1.22	2478	373	0.62	4031	526
2.41	1082	216	1.81	1603	279	1.21	2498	375	0.61	4064	530
-2.40	-1089	+217	-1.80	-1614	+280	-1.20	-2517	+377	-0.60	-4098	+533
2.39	1096	217	1.79	1625	282	1.19	2537	379	0.59	4132	536
2.38	1103	218	1.78	1637	283	1.18	2557	381	0.58	4166	539
2.37	1109	219	1.77	1648	284	1.17	2577	383	0.57	4200	543
2.36	1116	220	1.76	1660	285	1.16	2598	386	0.56	4235	546
-2.35	-1123	+221	-1.75	-1672	+287	-1.15	-2618	+388	-0.55	-4270	+550
2.34	1130	222	1.74	1683	288	1.14	2639	390	0.54	4305	553
2.33	1137	223	1.73	1695	289	1.13	2660	392	0.53	4341	556
2.32	1145	224	1.72	1707	291	1.12	2681	394	0.52	4376	560
2.31	1152	225	1.71	1719	292	1.11	2703	396	0.51	4412	563
-2.30	-1159	+226	-1.70	-1732	+294	-1.10	-2724	+398	-0.50	-4448	+567
2.29	1166	226	1.69	1744	295	1.09	2746	400	0.49	4485	571
2.28	1174	227	1.68	1757	296	1.08	2768	403	0.48	4522	574
2.27	1181	228	1.67	1769	298	1.07	2790	405	0.47	4559	578
2.26	1189	229	1.66	1782	299	1.06	2813	407	0.46	4596	581
-2.25	-1196	+230	-1.65	-1795	+301	-1.05	-2835	+409	-0.45	-4633	+585

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
-0.45	-4633	+585	+0.15	-7159	+867	+0.75	-9369	+1267	+1.35	-10695	+1752
0.44	4671	589	0.16	7202	873	0.76	9398	1274	1.36	10711	1760
0.43	4709	593	0.17	7245	878	0.77	9427	1282	1.37	10727	1769
0.42	4747	596	0.18	7287	884	0.78	9455	1289	1.38	10742	1777
0.41	4785	600	0.19	7330	890	0.79	9484	1297	1.39	10758	1786
-0.40	-4824	+604	+0.20	-7372	+896	+0.80	-9512	+1305	+1.40	-10773	+1795
0.39	4863	608	0.21	7414	902	0.81	9539	1312	1.41	10788	1803
0.38	4902	612	0.22	7456	908	0.82	9567	1320	1.42	10803	1812
0.37	4941	616	0.23	7498	914	0.83	9594	1327	1.43	10818	1821
0.36	4981	620	0.24	7540	920	0.84	9621	1335	1.44	10832	1829
-0.35	-5020	+624	+0.25	-7582	+926	+0.85	-9648	+1343	+1.45	-10847	+1838
0.34	5060	628	0.26	7623	932	0.86	9674	1351	1.46	10861	1846
0.33	5101	632	0.27	7664	938	0.87	9701	1358	1.47	10875	1855
0.32	5141	636	0.28	7705	944	0.88	9727	1366	1.48	10889	1864
0.31	5181	640	0.29	7746	950	0.89	9752	1374	1.49	10903	1873
-0.30	-5222	+644	+0.30	-7787	+957	+0.90	-9778	+1382	+1.50	-10917	+1881
0.29	5263	648	0.31	7827	963	0.91	9803	1390	1.55	10983	1925
0.28	5304	653	0.32	7868	969	0.92	9828	1397	1.60	11046	1969
0.27	5345	657	0.33	7908	975	0.93	9853	1405	1.65	11105	2013
0.26	5387	661	0.34	7948	982	0.94	9878	1413	1.70	11161	2058
-0.25	-5428	+666	+0.35	-7987	+988	+0.95	-9902	+1421	+1.75	-11214	+2103
0.24	5470	670	0.36	8027	995	0.96	9926	1429	1.80	11264	2148
0.23	5512	674	0.37	8066	1001	0.97	9950	1437	1.85	11312	2193
0.22	5554	679	0.38	8105	1007	0.98	9973	1445	1.90	11357	2238
0.21	5597	683	0.39	8144	1014	0.99	9997	1453	1.95	11399	2284
-0.20	-5639	+688	+0.40	-8182	+1020	+1.00	-10020	+1461	+2.00	-11439	+2329
0.19	5681	692	0.41	8221	1027	1.01	10043	1469	2.05	11476	2375
0.18	5724	697	0.42	8259	1034	1.02	10065	1477	2.10	11512	2421
0.17	5767	701	0.43	8296	1040	1.03	10088	1485	2.15	11545	2467
0.16	5810	706	0.44	8334	1047	1.04	10110	1493	2.20	11577	2514
-0.15	-5853	+711	+0.45	-8371	+1054	+1.05	-10132	+1501	+2.25	-11606	+2560
0.14	5896	715	0.46	8408	1060	1.06	10154	1509	2.30	11634	2606
0.13	5939	720	0.47	8445	1067	1.07	10175	1518	2.35	11660	2653
0.12	5982	725	0.48	8482	1074	1.08	10196	1526	2.40	11685	2700
0.11	6026	730	0.49	8518	1081	1.09	10217	1534	2.45	11707	2747
-0.10	-6069	+734	+0.50	-8554	+1087	+1.10	-10238	+1542	+2.50	-11729	+2793
0.09	6113	739	0.51	8590	1094	1.11	10259	1550	2.55	11749	2840
0.08	6156	744	0.52	8625	1101	1.12	10279	1559	2.60	11767	2887
0.07	6200	749	0.53	8661	1108	1.13	10300	1567	2.65	11784	2934
0.06	6244	754	0.54	8696	1115	1.14	10320	1575	2.70	11800	2982
-0.05	-6287	+759	+0.55	-8730	+1122	+1.15	-10340	+1583	+2.75	-11815	+3029
0.04	6331	764	0.56	8765	1129	1.16	10359	1592	2.80	11828	3076
0.03	6375	769	0.57	8799	1136	1.17	10379	1600	2.85	11840	3124
0.02	6419	774	0.58	8833	1143	1.18	10398	1608	2.90	11852	3171
-0.01	-6463	+780	0.59	8867	1150	1.19	10417	1617	2.95	11862	3218
0.00	-6506	+785	+0.60	-8900	+1157	+1.20	-10436	+1625	+3.00	-11871	+3266
+0.01	6550	790	0.61	8933	1164	1.21	10454	1633	3.05	11879	3313
0.02	6594	795	0.62	8966	1171	1.22	10473	1642	3.10	11886	3361
0.03	6638	801	0.63	8999	1179	1.23	10491	1650	3.15	11893	3408
0.04	6682	806	0.64	9031	1186	1.24	10509	1658	3.20	11898	3456
+0.05	-6725	+811	+0.65	-9063	+1193	+1.25	-10527	+1667	+3.25	-11903	+3504
0.06	6769	817	0.66	9095	1200	1.26	10544	1675	3.30	11906	3551
0.07	6813	822	0.67	9126	1208	1.27	10562	1684	3.35	11909	3599
0.08	6856	828	0.68	9158	1215	1.28	10579	1692	3.40	11911	3646
0.09	6900	833	0.69	9188	1222	1.29	10596	1701	3.45	11913	3694
+0.10	-6943	+839	+0.70	-9219	+1230	+1.30	-10613	+1709	+3.50	-11914	+3742
0.11	6986	844	0.71	9250	1237	1.31	10630	1718	3.55	11914	3789
0.12	7030	850	0.72	9280	1244	1.32	10647	1726	3.60	11913	3837
0.13	7073	855	0.73	9310	1252	1.33	10663	1735	3.65	11912	3885
0.14	7116	861	0.74	9339	1259	1.34	10679	1743	3.70	11910	3932
+0.15	-7159	+867	+0.75	-9369	+1267	+1.35	-10695	+1752	+3.75	-11907	+3980

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 3.75	-11907	+3980	+10.0	-8997	+ 9369	+23.0	+ 3469	+12552	+36.0	+12572	+3368
3.80	11904	4028	10.2	8849	9512	23.2	3669	12495	36.2	12625	3167
3.85	11900	4075	10.4	8700	9652	23.4	3868	12434	36.4	12674	2964
3.90	11896	4123	10.6	8547	9790	23.6	4067	12371	36.6	12719	2761
3.95	11891	4170	10.8	8393	9926	23.8	4264	12304	36.8	12762	2557
+ 4.00	-11886	+4218	+11.0	-8236	+10059	+24.0	+ 4460	+12235	+37.0	+12801	+2353
4.05	11880	4265	11.2	8076	10190	24.2	4655	12162	37.2	12837	2148
4.10	11873	4313	11.4	7915	10317	24.4	4848	12086	37.4	12869	1942
4.15	11866	4360	11.6	7751	10443	24.6	5041	12006	37.6	12899	1736
4.20	11859	4408	11.8	7586	10565	24.8	5232	11924	37.8	12925	1529
+ 4.25	-11851	+4455	+12.0	-7418	+10686	+25.0	+ 5422	+11839	+38.0	+12948	+1322
4.30	11842	4503	12.2	7248	10803	25.2	5610	11751	38.2	12967	1115
4.35	11834	4550	12.4	7076	10917	25.4	5797	11659	38.4	12983	907
4.40	11824	4597	12.6	6903	11029	25.6	5983	11565	38.6	12996	699
4.45	11815	4645	12.8	6727	11138	25.8	6167	11468	38.8	13005	491
+ 4.50	-11804	+4692	+13.0	-6550	+11245	+26.0	+ 6349	+11368	+39.0	+13011	+ 283
4.55	11794	4739	13.2	6371	11348	26.2	6530	11265	39.2	13014	+ 75
4.60	11783	4786	13.4	6190	11448	26.4	6709	11159	39.4	13014	- 133
4.65	11771	4833	13.6	6008	11546	26.6	6887	11050	39.6	13010	341
4.70	11759	4880	13.8	5824	11641	26.8	7063	10939	39.8	13003	549
+ 4.75	-11747	+4927	+14.0	-5639	+11732	+27.0	+ 7236	+10824	+40.0	+12992	- 757
4.80	11734	4974	14.2	5451	11821	27.2	7408	10707	40.2	12978	965
4.85	11721	5021	14.4	5263	11907	27.4	7579	10587	40.4	12961	1173
4.90	11708	5068	14.6	5073	11989	27.6	7747	10464	40.6	12941	1380
4.95	11694	5115	14.8	4882	12069	27.8	7913	10339	40.8	12917	1587
+ 5.00	-11680	+5162	+15.0	-4689	+12146	+28.0	+ 8077	+10211	+41.0	+12890	-1793
5.05	11666	5208	15.2	4495	12219	28.2	8239	10081	41.2	12859	1999
5.10	11651	5255	15.4	4300	12289	28.4	8400	9948	41.4	12826	2205
5.15	11636	5302	15.6	4104	12357	28.6	8557	9812	41.6	12789	2410
5.20	11620	5348	15.8	3907	12421	28.8	8713	9674	41.8	12749	2614
+ 5.25	-11605	+5395	+16.0	-3709	+12482	+29.0	+ 8867	+ 9533	+42.0	+12705	-2818
5.30	11588	5441	16.2	3510	12540	29.2	9018	9390	42.2	12658	3020
5.35	11572	5487	16.4	3309	12594	29.4	9167	9244	42.4	12608	3223
5.40	11555	5534	16.6	3108	12646	29.6	9313	9097	42.6	12555	3424
5.45	11538	5580	16.8	2906	12694	29.8	9458	8946	42.8	12499	3624
+ 5.50	-11521	+5626	+17.0	-2704	+12739	+30.0	+ 9599	+ 8794	+43.0	+12439	-3824
5.55	11503	5672	17.2	2500	12780	30.2	9739	8639	43.2	12376	4022
5.60	11485	5718	17.4	2296	12819	30.4	9876	8482	43.4	12310	4220
5.65	11467	5764	17.6	2092	12854	30.6	10010	8323	43.6	12241	4416
5.70	11448	5810	17.8	1887	12886	30.8	10142	8162	43.8	12169	4612
+ 5.75	-11429	+5855	+18.0	-1681	+12914	+31.0	+10271	+ 7999	+44.0	+12093	-4806
5.80	11410	5901	18.2	1475	12939	31.2	10397	7833	44.2	12015	4998
5.85	11391	5947	18.4	1268	12961	31.4	10521	7666	44.4	11933	5190
5.90	11371	5992	18.6	1061	12980	31.6	10642	7497	44.6	11849	5380
5.95	11351	6038	18.8	854	12995	31.8	10761	7326	44.8	11761	5569
+ 6.0	-11331	+6083	+19.0	- 647	+13007	+32.0	+10877	+ 7152	+45.0	+11670	-5757
6.2	11247	6204	19.2	439	13016	32.2	10990	6977	45.2	11577	5943
6.4	11159	6443	19.4	231	13021	32.4	11100	6801	45.4	11480	6127
6.6	11067	6621	19.6	- 23	13023	32.6	11207	6622	45.6	11381	6310
6.8	10971	6797	19.8	+ 184	13022	32.8	11311	6442	45.8	11278	6491
+ 7.0	-10872	+6972	+20.0	+ 392	+13017	+33.0	+11413	+ 6260	+46.0	+11173	-6671
7.2	10769	7145	20.2	600	13009	33.2	11511	6077	46.2	11065	6849
7.4	10662	7316	20.4	808	12998	33.4	11607	5892	46.4	10954	7025
7.6	10552	7486	20.6	1015	12984	33.6	11700	5706	46.6	10840	7199
7.8	10439	7654	20.8	1222	12966	33.8	11789	5518	46.8	10723	7372
+ 8.0	-10323	+7820	+21.0	+1429	+12945	+34.0	+11876	+ 5328	+47.0	+10604	-7542
8.2	10203	7984	21.2	1636	12920	34.2	11960	5138	47.2	10482	7711
8.4	10081	8146	21.4	1842	12892	34.4	12040	4946	47.4	10357	7878
8.6	9955	8307	21.6	2047	12861	34.6	12118	4752	47.6	10230	8043
8.8	9826	8465	21.8	2252	12827	34.8	12192	4558	47.8	10100	8205
+ 9.0	- 9695	+8621	+22.0	+2457	+12789	+35.0	+12263	+ 4362	+48.0	+ 9967	-8366
9.2	9561	8775	22.2	2661	12748	35.2	12332	4165	48.2	9832	8524
9.4	9424	8927	22.4	2864	12704	35.4	12397	3968	48.4	9694	8680
9.6	9284	9077	22.6	3067	12656	35.6	12458	3769	48.6	9554	8834
9.8	9142	9224	22.8	3268	12606	35.8	12517	3569	48.8	9412	8986
+10.0	- 8997	+9369	+23.0	+3469	+12552	+36.0	+12572	+ 3368	+49.0	+ 9267	-9135

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+49.0	+9267	-9135	+62.0	-3189	-12615	+75.0	-12494	-3636	+88.0	-9461	+8935
49.2	9119	9283	62.2	3390	12562	75.2	12551	3435	88.2	9317	9085
49.4	8969	9427	62.4	3591	12507	75.4	12604	3234	88.4	9170	9233
49.6	8817	9570	62.6	3790	12448	75.6	12654	3032	88.6	9021	9379
49.8	8663	9709	62.8	3989	12385	75.8	12701	2829	88.8	8870	9522
+50.0	+8507	-9847	+63.0	-4187	-12320	+76.0	-12745	-2626	+89.0	-8716	+9663
50.2	8348	9982	63.2	4383	12251	76.2	12785	2421	89.2	8561	9801
50.4	8187	10114	63.4	4579	12180	76.4	12822	2216	89.4	8403	9936
50.6	8024	10244	63.6	4773	12105	76.6	12856	2011	89.6	8243	10070
50.8	7859	10371	63.8	4966	12027	76.8	12887	1805	89.8	8081	10200
+51.0	+7692	-10495	+64.0	-5158	-11946	+77.0	-12914	-1599	+90.0	-7916	+10328
51.2	7523	10617	64.2	5349	11862	77.2	12938	1392	90.2	7750	10454
51.4	7353	10736	64.4	5538	11775	77.4	12958	1185	90.4	7582	10576
51.6	7180	10852	64.6	5725	11685	77.6	12976	977	90.6	7412	10696
51.8	7005	10966	64.8	5912	11592	77.8	12990	769	90.8	7240	10813
+52.0	+6829	-11076	+65.0	-6096	-11495	+78.0	-13000	-561	+91.0	-7066	+10928
52.2	6651	11184	65.2	6280	11396	78.2	13008	353	91.2	6890	11039
52.4	6471	11289	65.4	6461	11295	78.4	13012	145	91.4	6712	11148
52.6	6289	11391	65.6	6641	11190	78.6	13012	+63	91.6	6533	11254
52.8	6106	11490	65.8	6819	11082	78.8	13010	271	91.8	6352	11357
+53.0	+5922	-11587	+66.0	-6996	-10972	+79.0	-13004	+479	+92.0	-6170	+11458
53.2	5736	11680	66.2	7170	10858	79.2	12994	687	92.2	5986	11555
53.4	5548	11770	66.4	7343	10742	79.4	12982	895	92.4	5800	11649
53.6	5359	11857	66.6	7514	10623	79.6	12966	1103	92.6	5613	11740
53.8	5168	11942	66.8	7683	10502	79.8	12946	1310	92.8	5424	11829
+54.0	+4977	-12023	+67.0	-7850	-10377	+80.0	-12924	+1517	+93.0	-5234	+11914
54.2	4784	12101	67.2	8015	10250	80.2	12898	1724	93.2	5043	11996
54.4	4589	12176	67.4	8178	10121	80.4	12869	1930	93.4	4851	12075
54.6	4394	12248	67.6	8339	9989	80.6	12836	2135	93.6	4657	12151
54.8	4197	12316	67.8	8498	9854	80.8	12800	2340	93.8	4462	12224
+55.0	+4000	-12382	+68.0	-8654	-9717	+81.0	-12761	+2545	+94.0	-4266	+12294
55.2	3801	12444	68.2	8809	9577	81.2	12719	2749	94.2	4068	12361
55.4	3602	12504	68.4	8961	9435	81.4	12673	2952	94.4	3870	12424
55.6	3401	12560	68.6	9111	9290	81.6	12625	3154	94.6	3671	12485
55.8	3200	12612	68.8	9258	9144	81.8	12572	3356	94.8	3471	12542
+56.0	+2997	-12662	+69.0	-9403	-8994	+82.0	-12517	+3557	+95.0	-3270	+12596
56.2	2794	12708	69.2	9546	8843	82.2	12459	3756	95.2	3068	12646
56.4	2591	12751	69.4	9686	8689	82.4	12397	3955	95.4	2865	12694
56.6	2386	12791	69.6	9824	8533	82.6	12332	4153	95.6	2661	12738
56.8	2181	12828	69.8	9959	8374	82.8	12264	4350	95.8	2457	12779
+57.0	+1976	-12861	+70.0	-10092	-8214	+83.0	-12193	+4546	+96.0	-2253	+12817
57.2	1770	12891	70.2	10222	8051	83.2	12119	4740	96.2	2047	12851
57.4	1563	12918	70.4	10350	7887	83.4	12041	4933	96.4	1841	12882
57.6	1356	12941	70.6	10475	7720	83.6	11961	5125	96.6	1635	12910
57.8	1149	12961	70.8	10597	7552	83.8	11877	5316	96.8	1428	12934
+58.0	+942	-12978	+71.0	-10716	-7381	+84.0	-11791	+5505	+97.0	-1221	+12956
58.2	734	12991	71.2	10833	7209	84.2	11701	5693	97.2	1014	12973
58.4	526	13001	71.4	10947	7035	84.4	11609	5880	97.4	806	12988
58.6	318	13008	71.6	11058	6859	84.6	11513	6065	97.6	598	12999
58.8	+110	13011	71.8	11166	6681	84.8	11415	6248	97.8	390	13007
+59.0	-99	-13012	+72.0	-11272	-6501	+85.0	-11313	+6430	+98.0	-182	+13012
59.2	307	13008	72.2	11374	6320	85.2	11209	6610	98.2	+26	13013
59.4	515	13002	72.4	11474	6137	85.4	11102	6789	98.4	234	13011
59.6	723	12992	72.6	11571	5953	85.6	10992	6965	98.6	443	13005
59.8	931	12979	72.8	11665	5767	85.8	10879	7140	98.8	651	12997
+60.0	-1138	-12962	+73.0	-11755	-5580	+86.0	-10763	+7314	+99.0	+858	+12985
60.2	1345	12942	73.2	11843	5391	86.2	10645	7485	99.2	1066	12969
60.4	1552	12919	73.4	11928	5201	86.4	10524	7654	99.4	1273	12951
60.6	1759	12892	73.6	12010	5009	86.6	10400	7822	99.6	1481	12929
60.8	1965	12863	73.8	12088	4816	86.8	10274	7987	99.8	1687	12903
+61.0	-2170	-12830	+74.0	-12164	-4622	+87.0	-10144	+8150	+100.0	+1893	+12875
61.2	2375	12793	74.2	12236	4427	87.2	10013	8312			
61.4	2580	12754	74.4	12305	4231	87.4	9879	8471			
61.6	2784	12711	74.6	12372	4033	87.6	9742	8628			
61.8	2987	12665	74.8	12435	3835	87.8	9602	8782			
+62.0	-3189	-12615	+75.0	-12494	-3636	+88.0	-9461	+8935			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.0	-128	+54	-2.0	-633	+175	+3.0	-1924	+712
95	0	0	6.9	131	55	1.9	656	181	3.1	1935	728
90	0	0	6.8	135	56	1.8	680	186	3.2	1945	743
85	0	0	6.7	138	58	1.7	704	191	3.3	1954	759
80	0	0	6.6	142	59	1.6	730	197	3.4	1963	774
-75	0	+1	-6.5	-146	+60	-1.5	-756	+203	+3.5	-1970	+790
70	0	1	6.4	150	61	1.4	783	209	3.6	1978	806
65	0	1	6.3	154	62	1.3	810	216	3.7	1984	822
60	-1	1	6.2	159	63	1.2	839	222	3.8	1990	837
55	1	1	6.1	163	65	1.1	868	229	3.9	1995	853
-50	-1	+1	-6.0	-168	+66	-1.0	-897	+236	+4.0	-2000	+869
45	1	2	5.9	173	67	0.9	928	243	4.1	2004	885
40	2	2	5.8	178	69	0.8	959	251	4.2	2007	901
35	2	3	5.7	183	70	0.7	990	259	4.3	2010	918
30	4	4	5.6	189	72	0.6	1022	267	4.4	2013	934
-25.0	-7	+6	-5.5	-195	+73	-0.5	-1054	+275	+4.5	-2015	+950
24.5	7	7	5.4	201	75	0.4	1086	284	4.6	2016	966
24.0	7	7	5.3	207	77	0.3	1119	293	4.7	2017	982
23.5	8	7	5.2	213	78	0.2	1152	302	4.8	2018	998
23.0	8	8	5.1	220	80	-0.1	1185	311	4.9	2018	1014
-22.5	-9	+8	-5.0	-227	+82	0.0	-1218	+321	+5.0	-2017	+1030
22.0	9	8	4.9	234	84	+0.1	1251	330	5.1	2017	1047
21.5	10	9	4.8	241	85	0.2	1284	341	5.2	2015	1063
21.0	11	9	4.7	249	87	0.3	1316	351	5.3	2014	1079
20.5	11	9	4.6	257	89	0.4	1349	362	5.4	2012	1095
-20.0	-12	+10	-4.5	-266	+92	+0.5	-1381	+373	+5.5	-2010	+1111
19.5	13	10	4.4	274	94	0.6	1412	384	5.6	2007	1127
19.0	14	11	4.3	283	96	0.7	1443	395	5.7	2004	1143
18.5	15	11	4.2	293	98	0.8	1473	407	5.8	2001	1159
18.0	16	12	4.1	303	101	0.9	1502	419	5.9	1997	1175
-17.5	-17	+13	-4.0	-313	+103	+1.0	-1531	+431	+6.0	-1993	+1191
17.0	18	13	3.9	324	106	1.1	1559	443	6.1	1989	1207
16.5	20	14	3.8	335	108	1.2	1586	456	6.2	1984	1223
16.0	21	15	3.7	346	111	1.3	1613	469	6.3	1979	1239
15.5	23	16	3.6	359	114	1.4	1638	482	6.4	1974	1255
-15.0	-25	+17	-3.5	-371	+117	+1.5	-1663	+495	+6.5	-1968	+1270
14.5	27	18	3.4	384	120	1.6	1687	508	6.6	1963	1286
14.0	29	19	3.3	398	123	1.7	1710	522	6.7	1956	1302
13.5	32	20	3.2	412	126	1.8	1732	536	6.8	1950	1317
13.0	35	22	3.1	427	129	1.9	1753	549	6.9	1944	1333
-12.5	-38	+23	-3.0	-442	+133	+2.0	-1773	+564	+7.0	-1937	+1348
12.0	42	25	2.9	458	137	2.1	1792	578	7.1	1930	1364
11.5	46	26	2.8	475	140	2.2	1810	592	7.2	1922	1379
11.0	51	28	2.7	492	144	2.3	1827	607	7.3	1915	1395
10.5	56	30	2.6	510	148	2.4	1844	622	7.4	1907	1410
-10.0	-62	+33	-2.5	-529	+153	+2.5	-1859	+637	+7.5	-1899	+1425
9.5	70	35	2.4	548	157	2.6	1874	652	7.6	1891	1440
9.0	78	38	2.3	568	161	2.7	1888	667	7.7	1882	1455
8.5	87	42	2.2	589	166	2.8	1901	682	7.8	1874	1470
8.0	99	45	2.1	610	171	2.9	1913	697	7.9	1865	1485
-7.5	-112	+50	-2.0	-633	+175	+3.0	-1924	+712	+8.0	-1856	+1500
7.4	115	50									
7.3	118	51									
7.2	121	52									
7.1	124	53									
-7.0	-128	+54									

$$\bar{\omega} = 0.08$$

$$n = 4$$

$$4\pi W_e \times 10^4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 8.0	-1856	+1500	+25.0	+1021	+2222	+50.0	+1593	-1843	+ 75.0	-2339	- 680
8.1	1846	1515	25.5	1108	2179	50.5	1518	1905	75.5	2365	586
8.2	1837	1530	26.0	1194	2133	51.0	1441	1904	76.0	2386	491
8.3	1827	1545	26.5	1278	2084	51.5	1361	2020	76.5	2404	395
8.4	1817	1559	27.0	1359	2031	52.0	1279	2073	77.0	2418	299
+ 8.5	-1807	+1574	+27.5	+1439	+1975	+52.5	+1195	-2122	+ 77.5	-2428	- 202
8.6	1797	1588	28.0	1516	1916	53.0	1109	2168	78.0	2434	105
8.7	1786	1602	28.5	1591	1854	53.5	1022	2211	78.5	2436	- 7
8.8	1776	1617	29.0	1664	1789	54.0	932	2250	79.0	2435	+ 90
8.9	1765	1631	29.5	1733	1721	54.5	842	2286	79.5	2429	187
+ 9.0	-1754	+1645	+30.0	+1801	+1650	+55.0	+ 750	-2317	+ 80.0	-2420	+ 284
9.1	1743	1659	30.5	1865	1577	55.5	656	2346	80.5	2406	381
9.2	1731	1673	31.0	1926	1501	56.0	562	2370	81.0	2389	477
9.3	1720	1687	31.5	1984	1423	56.5	467	2390	81.5	2368	572
9.4	1708	1700	32.0	2039	1342	57.0	370	2407	82.0	2343	666
+ 9.5	-1697	+1714	+32.5	+2091	+1260	+57.5	+ 274	-2420	+ 82.5	-2315	+ 759
9.6	1685	1727	33.0	2139	1175	58.0	177	2429	83.0	2283	851
9.7	1672	1741	33.5	2184	1088	58.5	+ 79	2434	83.5	2247	942
9.8	1660	1754	34.0	2226	1000	59.0	- 18	2435	84.0	2207	1031
9.9	1648	1767	34.5	2264	910	59.5	115	2433	84.5	2164	1119
+10.0	-1635	+1781	+35.0	+2298	+ 819	+60.0	- 213	-2426	+ 85.0	-2118	+1204
10.5	1570	1845	35.5	2329	727	60.5	310	2416	85.5	2068	1288
11.0	1502	1906	36.0	2356	633	61.0	406	2401	86.0	2015	1370
11.5	1430	1965	36.5	2379	538	61.5	502	2383	86.5	1959	1449
12.0	1356	2021	37.0	2398	443	62.0	597	2361	87.0	1899	1526
+12.5	-1279	+2073	+37.5	+2414	+ 346	+62.5	- 691	-2336	+ 87.5	-1837	+1601
13.0	1199	2123	38.0	2426	250	63.0	784	2306	88.0	1771	1673
13.5	1117	2169	38.5	2433	152	63.5	875	2273	88.5	1703	1743
14.0	1032	2212	39.0	2438	+ 55	64.0	965	2236	89.0	1632	1809
14.5	946	2252	39.5	2438	- 42	64.5	1054	2196	89.5	1558	1873
+15.0	- 858	+2288	+40.0	+2434	- 140	+65.0	-1141	-2152	+ 90.0	-1482	+1934
15.5	769	2320	40.5	2426	237	65.5	1226	2104	90.5	1404	1992
16.0	678	2349	41.0	2415	334	66.0	1309	2054	91.0	1323	2046
16.5	585	2374	41.5	2399	430	66.5	1391	2000	91.5	1240	2097
17.0	492	2396	42.0	2380	526	67.0	1469	1942	92.0	1155	2145
+17.5	- 397	+2414	+42.5	+2357	- 621	+67.5	-1546	-1882	+ 92.5	-1068	+2190
18.0	302	2428	43.0	2330	714	68.0	1620	1819	93.0	980	2231
18.5	206	2438	43.5	2299	807	68.5	1692	1753	93.5	890	2268
19.0	110	2444	44.0	2265	898	69.0	1760	1684	94.0	799	2302
19.5	- 14	2447	44.5	2227	988	69.5	1826	1612	94.5	706	2332
+20.0	+ 83	+2445	+45.0	+2186	-1076	+70.0	-1889	-1538	+ 95.0	- 612	+2358
20.5	180	2440	45.5	2141	1163	70.5	1949	1461	95.5	517	2381
21.0	276	2431	46.0	2093	1248	71.0	2006	1382	96.0	422	2400
21.5	372	2418	46.5	2041	1330	71.5	2060	1300	96.5	325	2415
22.0	468	2401	47.0	1986	1411	72.0	2110	1217	97.0	229	2426
+22.5	+ 562	+2381	+47.5	+1928	-1489	+72.5	-2157	-1131	+ 97.5	- 131	+2433
23.0	656	2356	48.0	1867	1565	73.0	2201	1044	98.0	- 34	2436
23.5	749	2328	48.5	1803	1638	73.5	2241	955	98.5	+ 63	2436
24.0	841	2296	49.0	1736	1709	74.0	2277	865	99.0	161	2431
24.5	932	2261	49.5	1666	1777	74.5	2310	773	99.5	258	2423
+25.0	+1021	+2222	+50.0	+1593	-1843	+75.0	-2339	- 680	+100.0	+ 355	+2411

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 6$$

<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>
-100	0	0	0.0	-481	+187	+25.0	+407	+881	+50.0	+629	-727	+75.0	-923	-268
95	0	0	+0.5	522	207	25.5	441	864	50.5	600	751	75.5	933	231
90	0	0	1.0	561	228	26.0	474	845	51.0	569	774	76.0	942	194
85	0	0	1.5	597	251	26.5	507	826	51.5	538	797	76.5	949	156
80	0	+1	2.0	629	276	27.0	539	805	52.0	505	817	77.0	954	118
-75	0	+1	+2.5	-657	+302	+27.5	+571	+783	+52.5	+472	-837	+77.5	-958	-79
70	0	1	3.0	681	328	28.0	601	759	53.0	438	855	78.0	961	41
65	0	1	3.5	700	356	28.5	631	735	53.5	404	872	78.5	961	-3
60	-1	1	4.0	714	384	29.0	659	709	54.0	368	887	79.0	961	+36
55	1	1	4.5	724	413	29.5	687	682	54.5	332	901	79.5	959	74
-50	-1	+1	+5.0	-729	+442	+30.0	+713	+654	+55.0	+296	-914	+80.0	-955	+113
45	1	2	5.5	731	471	30.5	738	625	55.5	259	925	80.5	950	151
40	2	2	6.0	729	501	31.0	762	595	56.0	222	935	81.0	943	189
35	2	3	6.5	724	530	31.5	785	564	56.5	184	943	81.5	935	226
30	4	4	7.0	716	558	32.0	807	532	57.0	147	949	82.0	925	263
-25	-6	+6	+7.5	-705	+587	+32.5	+827	+499	+57.5	+108	-955	+82.5	-914	+300
24	7	7	8.0	692	615	33.0	846	466	58.0	70	958	83.0	901	336
23	8	7	8.5	676	642	33.5	864	432	58.5	+32	960	83.5	887	372
22	9	8	9.0	658	669	34.0	880	397	59.0	-7	961	84.0	871	407
21	10	9	9.5	639	695	34.5	895	361	59.5	45	960	84.5	854	442
-20	-11	+9	+10.0	-617	+720	+35.0	+909	+325	+60.0	-84	-957	+85.0	-836	+476
19	13	10	10.5	594	744	35.5	921	289	60.5	122	953	85.5	816	509
18	15	12	11.0	569	767	36.0	931	252	61.0	160	947	86.0	795	541
17	17	13	11.5	542	790	36.5	940	214	61.5	198	940	86.5	773	572
16	19	14	12.0	515	811	37.0	948	176	62.0	235	932	87.0	749	603
-15	-23	+16	+12.5	-486	+831	+37.5	+954	+138	+62.5	-272	-921	+87.5	-725	+632
14	26	18	13.0	456	850	38.0	959	100	63.0	309	910	88.0	699	661
13	31	20	13.5	425	867	38.5	962	62	63.5	345	897	88.5	672	688
12	37	23	14.0	393	884	39.0	963	+23	64.0	381	882	89.0	644	714
11	44	26	14.5	360	899	39.5	963	-15	64.5	416	866	89.5	615	739
-10.0	-53	+30	+15.0	-326	+912	+40.0	+962	-54	+65.0	-450	-849	+90.0	-585	+764
9.5	59	32	15.5	292	925	40.5	959	92	65.5	484	830	90.5	554	786
9.0	65	35	16.0	256	936	41.0	954	131	66.0	517	810	91.0	522	808
8.5	72	38	16.5	221	945	41.5	948	169	66.5	549	789	91.5	489	828
8.0	80	41	17.0	185	953	42.0	940	206	67.0	580	766	92.0	456	847
-7.5	-89	+44	+17.5	-148	+960	+42.5	+931	-244	+67.5	-610	-743	+92.5	-422	+865
7.0	99	47	18.0	111	965	43.0	920	281	68.0	639	718	93.0	387	881
6.5	111	52	18.5	74	969	43.5	908	317	68.5	667	691	93.5	351	896
6.0	124	56	19.0	-36	971	44.0	895	354	69.0	695	664	94.0	315	909
5.5	139	62	19.5	+2	972	44.5	880	389	69.5	721	636	94.5	279	921
-5.0	-157	+68	+20.0	+39	+971	+45.0	+863	-424	+70.0	-746	-607	+95.0	-242	+931
4.5	177	74	20.5	77	968	45.5	846	458	70.5	769	576	95.5	204	940
4.0	199	82	21.0	115	965	46.0	827	492	71.0	792	545	96.0	166	948
3.5	225	90	21.5	152	959	46.5	806	524	71.5	813	513	96.5	128	953
3.0	253	100	22.0	190	953	47.0	784	556	72.0	833	480	97.0	90	958
-2.5	-285	+111	+22.5	+227	+944	+47.5	+762	-587	+72.5	-851	-446	+97.5	-52	+961
2.0	320	123	23.0	264	935	48.0	737	617	73.0	868	412	98.0	-13	962
1.5	358	130	23.5	300	923	48.5	712	646	73.5	884	377	98.5	+25	962
1.0	398	151	24.0	336	911	49.0	686	674	74.0	899	341	99.0	64	960
-0.5	439	168	24.5	372	896	49.5	658	701	74.5	912	305	99.5	102	957
0.0	-481	+187	+25.0	+407	+881	+50.0	+629	-727	+75.0	-923	-268	+100.0	+140	+952

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.08$$

$$n = 8$$

<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>
-100	0	0	+ 5.0	-341	+245	+ 50	+319	-367
95	0	0	5.5	342	258	51	288	391
90	0	0	6.0	342	272	52	256	413
85	0	0	6.5	341	286	53	222	432
80	0	0	7.0	338	299	54	187	448
- 75	0	+ 1	+ 7.5	-334	+313	+ 55	+150	-462
70	0	1	8.0	328	326	56	113	472
65	0	1	8.5	322	339	57	74	480
60	0	1	9.0	314	352	58	+ 36	484
55	- 1	1	9.5	305	364	59	- 3	486
- 50	- 1	+ 1	+10	-295	+376	+ 60	- 42	-484
45	1	2	11	273	399	61	81	479
40	2	2	12	248	420	62	119	471
35	2	3	13	219	438	63	156	460
30	4	4	14	189	455	64	193	446
- 25	- 6	+ 6	+15	-156	+468	+ 65	-228	-429
24	7	7	16	122	479	66	261	409
23	7	7	17	87	488	67	293	387
22	8	8	18	50	493	68	323	363
21	9	9	19	- 13	496	69	351	336
- 20	- 11	+ 9	+20	+ 25	+496	+ 70	-377	-307
19	12	10	21	62	492	71	400	275
18	13	11	22	100	486	72	421	243
17	15	12	23	137	476	73	439	208
16	18	14	24	173	464	74	455	172
- 15	- 20	+ 15	+25	+208	+448	+ 75	-467	-135
14	23	17	26	243	430	76	476	98
13	27	19	27	275	409	77	483	59
12	32	21	28	306	386	78	486	- 21
11	37	24	29	335	361	79	486	+ 18
- 10	- 44	+ 27	+30	+362	+333	+ 80	-483	+ 57
9	52	31	31	387	303	81	477	95
8	62	35	32	409	271	82	468	133
7	74	41	33	429	237	83	456	170
6	89	47	34	446	202	84	441	206
- 5	-107	+ 55	+35	+461	+166	+ 85	-423	+241
4	129	65	36	472	128	86	402	274
3	154	76	37	480	90	87	379	305
2	182	89	38	486	52	88	354	334
- 1	213	105	39	488	+ 13	89	326	361
0.0	-243	+123	+40	+487	- 26	+ 90	-296	+386
0.5	258	133	41	483	65	91	264	409
1.0	273	144	42	476	103	92	231	429
1.5	286	155	43	466	141	93	196	446
2.0	298	167	44	453	178	94	159	460
+ 2.5	-309	+179	+45	+437	-214	+ 95	-122	+471
3.0	319	192	46	419	248	96	84	479
3.5	327	205	47	397	280	97	46	485
4.0	333	218	48	373	311	98	- 7	487
4.5	338	231	49	347	340	99	+ 32	486
+ 5.0	-341	+245	+50	+319	-367	+100	+ 71	+482

$4\pi W_e \times 10^4$

$n = 10$			$n = 10$			$n = 10$			$n = 12$			$n = 12$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-160	+225	+60	-24	-278	-100	0	0	+10	-93	+146
95	0	0	11	148	237	61	46	275	95	0	0	11	86	153
90	0	0	12	134	248	62	68	270	90	0	0	12	78	159
85	0	0	13	119	258	63	90	264	85	0	0	13	69	165
80	0	0	14	102	267	64	111	256	80	0	+1	14	59	170
-75	0	+1	+15	-84	+275	+65	-131	-246	-75	0	+1	+15	-48	+175
70	0	1	16	65	281	66	150	235	70	0	1	16	36	178
65	0	1	17	45	285	67	168	222	65	0	1	17	24	180
60	0	1	18	24	288	68	186	208	60	0	1	18	-12	182
55	-1	1	19	-4	289	69	202	193	55	-1	1	19	+1	182
-50	-1	+1	+20	+18	+288	+70	-217	-176	-50	-1	+1	+20	+14	+182
45	1	2	21	39	286	71	230	158	45	1	2	21	20	178
40	2	2	22	60	282	72	242	139	40	2	2	22	40	178
35	2	3	23	81	276	73	252	119	35	2	3	23	65	169
30	3	4	24	102	269	74	261	99	30	3	4	24	89	157
-25	-6	+6	+25	+122	+260	+75	-268	-78	-25	-5	+6	+25	+131	+121
24	6	6	26	141	250	76	274	56	24	6	6	26	148	99
23	7	7	27	160	237	77	277	34	23	6	7	27	161	74
22	8	7	28	178	224	78	279	-12	22	7	7	28	170	48
21	9	8	29	194	209	79	279	+11	21	8	8	29	174	+20
-20	-10	+9	+30	+210	+193	+80	-278	+33	-20	-9	+8	+30	+175	-8
19	11	9	31	224	176	81	274	55	19	10	9	31	171	36
18	12	10	32	237	157	82	269	77	18	11	10	32	162	63
17	14	11	33	248	138	83	262	98	17	12	11	33	150	88
16	16	13	34	258	118	84	253	119	16	13	12	34	134	110
-15	-18	+14	+35	+266	+97	+85	-243	+139	-15	-15	+13	+35	+114	-130
14	20	15	36	272	75	86	231	158	14	17	14	36	92	147
13	23	17	37	277	53	87	218	176	13	19	16	37	67	160
12	27	19	38	280	31	88	203	192	12	22	17	38	41	168
11	31	22	39	281	+8	89	187	208	11	25	19	39	+13	172
-10	-35	+24	+40	+281	-14	+90	-170	+222	-10	-28	+21	+40	-15	-172
9	41	27	41	278	37	91	152	235	9	32	24	41	42	168
8	48	31	42	274	59	92	132	246	8	36	26	42	69	159
7	55	35	43	269	80	93	112	256	7	41	29	43	93	146
6	64	39	44	261	102	94	91	264	6	47	33	44	115	129
-5	-75	+45	+45	+252	-122	+95	-70	+271	-5	-53	+37	+45	-135	-109
4	86	51	46	241	142	96	48	276	4	59	41	46	150	86
3	99	59	47	229	161	97	26	279	3	66	46	47	162	61
2	112	67	48	215	178	98	-4	280	2	73	52	48	170	35
-1	126	77	49	200	195	99	+19	279	-1	80	58	49	173	-7
0	-140	+87	+50	+184	-210	+100	+41	+277	0	-87	+65	+50	-172	+21
1	153	99	51	166	224				1	93	72	51	167	48
2	164	112	52	147	237				2	98	80	52	157	74
3	173	125	53	128	248				3	103	88	53	143	98
4	180	139	54	107	257				4	106	96	54	126	120
+5	-183	+154	+55	+86	-265				+5	-107	+104	+55	-105	+138
6	184	169	56	65	271				6	107	113	56	82	153
7	182	183	57	43	276				7	106	122	57	57	164
8	177	198	58	+21	278				8	103	130	58	30	171
9	169	211	59	-2	279				9	99	138	59	-2	174
+10	-160	+225	+60	-24	-278				+10	-93	+146	+100	+25	+172

$$\bar{\omega} = 0.08$$

$$4\pi W_e \times 10^4$$

$n = 14$			$n = 14$			$n = 16$			$n = 16$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	- 57	+100	-100	0	0	+ 10	-36	+72
95	0	0	11	53	104	95	0	0	11	33	74
90	0	0	12	47	108	90	0	0	12	30	77
85	0	0	13	42	112	85	0	0	13	26	79
80	0	0	14	35	115	80	0	0	14	22	81
- 75	0	0	+ 15	- 28	+118	- 75	0	+ 1	+ 15	-17	+83
70	0	+ 1	16	21	120	70	0	1	16	12	84
65	0	1	17	14	121	65	0	1	17	7	85
60	- 1	1	18	- 6	122	60	0	1	18	- 2	85
55	1	1	19	+ 3	122	55	0	1	19	+ 3	85
- 50	- 1	+ 1	+ 20	+ 11	+121	- 50	- 1	+ 1	+ 20	+ 9	+85
45	1	2	22	28	118	45	1	2	22	20	82
40	1	2	24	44	112	40	1	2	24	31	78
35	2	3	26	60	104	35	2	3	26	42	72
30	3	4	28	74	93	30	3	3	28	51	65
- 25	- 5	+ 5	+ 30	+ 87	+ 81	- 25	- 4	+ 5	+ 30	+60	+56
24	5	6	32	97	66	24	5	5	32	67	45
23	6	6	34	106	50	23	5	6	34	73	34
22	6	6	36	112	32	22	6	6	36	77	22
21	7	7	38	115	+ 14	21	6	7	38	79	+10
- 20	- 8	+ 8	+ 40	+115	- 5	- 20	- 7	+ 7	+ 40	+79	- 3
19	8	8	42	112	23	19	7	8	42	77	15
18	9	9	44	107	40	18	8	8	44	73	27
17	10	10	46	99	57	17	9	9	46	67	38
16	12	11	48	88	72	16	10	10	48	60	49
- 15	-13	+ 12	+ 50	+ 75	- 85	- 15	-11	+11	+ 50	+51	-57
14	14	13	52	60	96	14	12	11	52	41	65
13	16	14	54	44	104	13	13	12	54	30	70
12	18	15	56	27	110	12	15	14	56	18	74
11	20	17	58	+ 9	113	11	16	15	58	+ 6	76
- 10	-22	+ 18	+ 60	- 10	-113	- 10	-18	+16	+ 60	- 6	-76
9	25	20	62	28	110	9	19	18	62	19	74
8	28	22	64	45	104	8	21	19	64	30	70
7	31	25	66	61	95	7	23	21	66	41	65
6	34	27	68	75	84	6	26	23	68	51	57
- 5	-38	+ 30	+ 70	- 88	- 71	- 5	-28	+25	+ 70	-60	-48
4	42	33	72	99	56	4	30	27	72	67	38
3	45	37	74	106	40	3	32	30	74	72	27
2	49	41	76	111	23	2	35	33	76	76	15
- 1	53	45	78	113	- 5	- 1	37	35	78	77	- 3
0	-57	+ 49	+ 80	-113	+ 14	0	-39	+38	+ 80	-77	+ 9
+ 1	60	54	82	109	31	+ 1	40	42	82	74	22
2	63	59	84	103	48	2	42	45	84	70	33
3	65	64	86	94	64	3	43	48	86	64	44
4	66	69	88	83	78	4	43	52	88	56	53
+ 5	-67	+ 75	+ 90	- 69	+ 91	+ 5	-44	+55	+ 90	-47	+62
6	67	80	92	54	101	6	43	59	92	37	68
7	66	85	94	37	108	7	42	62	94	25	73
8	64	91	96	20	112	8	41	65	96	13	77
9	61	95	98	- 2	114	9	39	69	98	- 1	78
+ 10	-57	+100	+100	+ 17	+113	+ 10	-36	+72	+100	+11	+77

$$\bar{\omega} = 0.08$$

$$4\pi W_e \times 10^4$$

$n = 18$			$n = 18$			$n = 20$			$n = 20$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 10	-24	+53	-100	0	0	+ 10	-16	+40
95	0	0	11	22	55	95	0	0	11	14	41
90	0	0	12	19	56	90	0	0	12	13	42
85	0	0	13	17	58	85	0	0	13	11	43
80	0	0	14	14	59	80	0	+ 1	14	9	44
- 75	0	0	+ 15	-11	+60	- 75	0	+ 1	+ 15	- 6	+45
70	0	+ 1	16	7	61	70	0	1	16	4	45
65	0	1	17	- 4	61	65	0	1	17	- 2	45
60	0	1	18	0	61	60	0	1	18	+ 1	45
55	- 1	1	19	+ 4	61	55	- 1	1	19	4	45
- 50	- 1	+ 1	+ 20	+ 7	+61	- 50	- 1	+ 1	+ 20	+ 6	+45
45	1	2	22	15	59	45	1	1	22	12	43
40	1	2	24	23	56	40	1	2	24	17	41
35	2	3	26	30	52	35	2	2	26	22	38
30	3	3	28	37	46	30	2	3	28	27	34
- 25	- 4	+ 5	+ 30	+43	+40	- 25	- 3	+ 4	+ 30	+31	+29
24	4	5	32	48	33	24	4	5	32	34	24
23	4	5	34	51	25	23	4	5	34	37	18
22	5	6	36	54	16	22	4	5	36	39	12
21	5	6	38	55	+ 8	21	5	6	38	40	+ 6
- 20	- 6	+ 7	+ 40	+55	- 1	- 20	- 5	+ 6	+ 40	+40	0
19	6	7	42	54	10	19	6	6	42	39	- 7
18	7	8	44	51	18	18	6	7	44	37	13
17	7	8	46	47	26	17	6	7	46	34	18
16	8	9	48	42	34	16	7	8	48	30	24
- 15	- 9	+ 9	+ 50	+36	-40	- 15	- 8	+ 9	+ 50	+26	-28
14	10	10	52	29	45	14	8	9	52	21	32
13	11	11	54	21	49	13	9	10	54	15	35
12	12	12	56	13	52	12	10	11	56	9	37
11	13	13	58	+ 4	53	11	10	11	58	+ 3	38
- 10	-14	+14	+ 60	- 4	-53	- 10	-11	+12	+ 60	- 3	-38
9	15	15	62	13	52	9	12	13	62	9	37
8	17	16	64	21	49	8	13	14	64	15	35
7	18	18	66	29	45	7	14	15	66	21	32
6	19	19	68	36	40	6	15	16	68	26	28
- 5	-21	+21	+ 70	-42	-34	- 5	-16	+17	+ 70	-30	-24
4	22	23	72	47	27	4	16	19	72	33	19
3	23	24	74	50	19	3	17	20	74	36	13
2	25	26	76	53	11	2	18	22	76	38	7
1	26	28	78	54	- 2	1	19	23	78	38	- 1
0	-27	+31	+ 80	-54	+ 7	0	-19	+25	+ 80	-38	+ 5
1	28	33	82	52	15	1	20	26	82	37	11
2	29	35	84	49	23	2	20	28	84	35	17
3	29	37	86	45	31	3	20	29	86	32	22
4	29	40	88	39	37	4	20	31	88	28	27
+ 5	-29	+42	+ 90	-33	+43	+ 5	-20	+33	+ 90	-24	+31
6	29	44	92	25	48	6	20	34	92	18	34
7	28	47	94	18	51	7	19	36	94	13	37
8	27	49	96	9	54	8	18	37	96	7	38
9	25	51	98	- 1	54	9	17	39	98	- 1	39
+ 10	-24	+53	+100	+ 8	+54	+ 10	-16	+40	+100	+ 6	+39

	$n = 22$		$n = 24$		$n = 26$		$n = 28$		$n = 30$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	+1
-75	0	0	0	+1	0	0	0	0	0	+1
70	0	+1	0	1	0	0	0	+1	0	1
65	0	1	0	1	0	0	0	1	0	1
60	0	1	0	1	0	+1	0	1	0	1
55	0	1	0	1	-1	1	0	1	0	1
-50	-1	+1	0	+1	-1	+1	0	+1	-1	+1
45	1	1	-1	1	1	1	-1	1	1	1
40	1	2	1	2	1	2	1	2	1	2
35	2	2	1	2	1	2	1	2	1	2
30	2	3	2	3	2	3	1	3	2	2
-25	-3	+4	-3	+4	-2	+4	-2	+3	-2	+3
20	4	6	4	5	3	5	3	4	2	4
15	6	8	5	7	4	6	4	5	3	5
10	9	11	7	9	6	8	5	7	4	6
-5	12	15	9	13	7	11	6	9	4	8
0	-14	+20	-11	+17	-8	+14	-6	+11	-4	+10
+5	14	26	10	21	7	17	5	14	4	11
10	11	31	7	24	5	19	4	16	-2	13
15	-4	34	-2	26	-1	21	-1	16	0	13
20	+5	34	+5	26	+4	20	+3	16	+3	13
+25	+15	+30	+12	+23	+9	+17	+7	+14	+5	+11
30	23	22	18	17	13	13	10	11	8	8
35	28	+12	21	+9	16	7	12	6	9	5
40	29	0	22	0	16	+1	13	+1	10	+1
45	26	-11	20	-8	15	-5	11	-4	9	-3
+50	+19	-20	+14	-15	+11	-11	+8	-8	+6	-6
55	+9	26	+7	19	+5	14	+4	10	+3	8
60	-2	27	-2	20	-1	15	-1	11	-1	8
65	13	24	10	18	7	13	5	10	4	7
70	22	17	16	13	12	9	9	7	7	5
+75	-27	-7	-20	-5	-15	-4	-11	-3	-8	-2
80	28	+4	21	+3	15	+2	12	+2	9	+2
85	24	14	18	11	13	8	10	6	8	5
90	17	23	13	17	9	13	7	10	5	7
95	-7	27	-5	21	-4	15	-3	12	-2	9
+100	+4	+28	+3	+21	+2	+16	+2	+12	+1	+9

	$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	+1	0	+1	0	0
60	0	+1	0	+1	0	1	0	1	0	+1
-50	0	+1	-1	+1	0	+1	0	+1	0	+1
40	-1	1	1	1	-1	1	-1	1	-1	1
30	1	2	1	2	1	2	1	2	1	2
20	2	3	2	3	2	3	1	3	1	2
-10	3	5	3	5	2	4	2	4	1	3
0	-4	+8	-3	+7	-2	+6	-2	+5	-1	+5
+10	-2	11	-1	9	-1	7	-1	6	0	5
20	+2	10	+2	8	+2	7	+1	6	+1	5
30	6	7	5	6	4	5	3	4	3	3
40	8	+1	6	+1	5	+1	4	+1	3	+1
+50	+5	-4	+4	-3	+3	-2	+3	-2	+2	-1
60	0	6	0	5	0	4	0	3	0	2
70	-5	-4	-4	-3	-3	-2	-2	-2	-2	-1
80	7	+1	5	+1	4	+1	3	+1	2	+1
90	-4	6	-3	4	-2	4	-2	3	-2	2
+100	+1	+7	+1	+5	+1	+4	+1	+3	+1	+3

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-159	+65	-4.00	-545	+146	-2.20	-1865	+310
95	0	0	6.95	161	66	3.95	560	148	2.19	1881	312
90	0	0	6.90	164	66	3.90	575	151	2.18	1899	314
85	0	0	6.85	167	67	3.85	591	153	2.17	1916	315
80	0	0	6.80	169	68	3.80	607	156	2.16	1934	317
-75	0	+1	-6.75	-172	+69	-3.75	-625	+159	-2.15	-1951	+319
70	0	1	6.70	175	70	3.70	643	161	2.14	1970	321
65	0	1	6.65	178	70	3.65	661	164	2.13	1988	322
60	0	1	6.60	181	71	3.60	681	167	2.12	2006	324
55	0	1	6.55	185	72	3.55	701	170	2.11	2025	326
-50	-1	+1	-6.50	-188	+73	-3.50	-723	+174	-2.10	-2044	+328
45	1	2	6.45	191	74	3.45	745	177	2.09	2064	330
40	1	2	6.40	195	75	3.40	768	180	2.08	2083	332
35	2	3	6.35	198	76	3.35	792	184	2.07	2103	333
30	4	4	6.30	202	77	3.30	817	187	2.06	2123	335
-25.0	-6	+6	-6.25	-205	+77	-3.25	-844	+191	-2.05	-2144	+337
24.5	7	7	6.20	209	78	3.20	871	195	2.04	2164	339
24.0	7	7	6.15	213	79	3.15	900	199	2.03	2185	341
23.5	7	7	6.10	217	80	3.10	930	203	2.02	2207	343
23.0	8	8	6.05	221	81	3.05	962	208	2.01	2228	345
-22.5	-8	+8	-6.00	-225	+82	-3.00	-996	+212	-2.00	-2250	+347
22.0	9	8	5.95	229	83	2.95	1031	217	1.99	2272	349
21.5	10	9	5.90	234	84	2.90	1067	221	1.98	2295	351
21.0	10	9	5.85	238	85	2.85	1106	226	1.97	2318	353
20.5	11	10	5.80	243	86	2.80	1147	232	1.96	2341	355
-20.0	-12	+10	-5.75	-247	+87	-2.75	-1190	+237	-1.95	-2364	+358
19.5	13	11	5.70	252	89	2.70	1235	242	1.94	2388	360
19.0	13	11	5.65	257	90	2.65	1283	248	1.93	2412	362
18.5	14	12	5.60	262	91	2.60	1333	254	1.92	2437	364
18.0	15	13	5.55	268	92	2.55	1387	260	1.91	2462	366
-17.5	-16	+13	-5.50	-273	+93	-2.50	-1444	+266	-1.90	-2487	+369
17.0	18	14	5.45	279	94	2.49	1455	267	1.89	2513	371
16.5	19	15	5.40	284	96	2.48	1467	269	1.88	2539	373
16.0	21	16	5.35	290	97	2.47	1479	270	1.87	2565	375
15.5	23	17	5.30	296	98	2.46	1491	271	1.86	2592	378
-15.0	-25	+18	-5.25	-303	+100	-2.45	-1504	+273	-1.85	-2619	+380
14.5	27	19	5.20	309	101	2.44	1516	274	1.84	2647	382
14.0	30	20	5.15	316	102	2.43	1529	275	1.83	2675	385
13.5	33	22	5.10	322	104	2.42	1541	277	1.82	2704	387
13.0	36	23	5.05	329	105	2.41	1554	278	1.81	2733	390
-12.5	-40	+25	-5.00	-337	+107	-2.40	-1567	+280	-1.80	-2762	+392
12.0	44	27	4.95	344	108	2.39	1580	281	1.79	2792	395
11.5	49	29	4.90	352	110	2.38	1594	282	1.78	2822	397
11.0	55	31	4.85	360	112	2.37	1607	284	1.77	2853	400
10.5	61	34	4.80	368	113	2.36	1621	285	1.76	2884	402
-10.0	-69	+37	-4.75	-376	+115	-2.35	-1635	+287	-1.75	-2916	+405
9.5	78	40	4.70	385	117	2.34	1649	288	1.74	2948	407
9.0	89	44	4.65	394	118	2.33	1663	290	1.73	2981	410
8.5	101	48	4.60	404	120	2.32	1677	291	1.72	3014	413
8.0	116	53	4.55	413	122	2.31	1692	293	1.71	3048	416
-7.50	-135	+59	-4.50	-423	+124	-2.30	-1707	+294	-1.70	-3083	+418
7.45	137	59	4.45	434	126	2.29	1722	296	1.69	3118	421
7.40	140	60	4.40	445	128	2.28	1737	297	1.68	3153	424
7.35	142	60	4.35	456	130	2.27	1752	299	1.67	3189	427
7.30	144	61	4.30	467	132	2.26	1767	301	1.66	3226	430
-7.25	-146	+62	-4.25	-479	+134	-2.25	-1783	+302	-1.65	-3264	+433
7.20	149	62	4.20	491	136	2.24	1799	304	1.64	3302	436
7.15	151	63	4.15	504	138	2.23	1815	305	1.63	3340	439
7.10	154	64	4.10	517	141	2.22	1831	307	1.62	3379	442
7.05	156	64	4.05	531	143	2.21	1848	309	1.61	3419	445
-7.00	-159	+65	-4.00	-545	+146	-2.20	-1865	+310	-1.60	-3460	+448

$$\bar{\omega} = 0.09$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.81286	+762	-0.07350	-161	+1.00	+48616	-2919	+1.60	+43691	-5386	
0.9	0.87471	870	0.05629	173	1.01	48474	2962	1.61	43645	5425	
0.8	0.94530	1003	0.04081	186	1.02	48335	3006	1.62	43600	5465	
0.7	1.02594	1145	0.02719	204	1.03	48199	3049	1.63	43556	5504	
0.6	1.11806	1305	0.01561	220	1.04	48067	3093	1.64	43512	5543	
-0.5	+1.22324	+1471	-0.00623	-241	+1.05	+47937	-3136	+1.65	+43468	-5582	
0.4	1.34313	1641	+0.00074	261	1.06	47811	3179	1.66	43425	5621	
0.3	1.47940	1793	0.00510	286	1.07	47687	3222	1.67	43383	5660	
0.2	1.63355	1920	0.00660	311	1.08	47566	3265	1.68	43341	5699	
-0.1	1.80682	2001	+0.00499	338	1.09	47448	3308	1.69	43300	5738	
0.0	+2.00000	+2026	0.00000	-366	+1.10	+47333	-3350	+1.70	+43260	-5777	
+0.1	2.21333	1990	-0.00865	394	1.11	47220	3393	1.71	43220	5816	
0.2	2.44646	1902	0.02124	420	1.12	47109	3435	1.72	43180	5855	
0.3	2.69852	1763	0.03803	445	1.13	47001	3478	1.73	43141	5894	
0.4	2.96816	1601	0.05927	469	1.14	46896	3520	1.74	43103	5933	
+0.5	+3.25378	+1422	-0.08520	-491	+1.15	+46792	-3562	+1.75	+43065	-5971	
0.6	3.55362	1247	0.11604	508	1.16	46691	3604	1.76	43027	6010	
0.7	3.86594	1075	0.15196	527	1.17	46591	3646	1.77	42990	6049	
0.8	4.18904	922	0.19315	540	1.18	46494	3688	1.78	42954	6088	
0.9	4.52139	784	0.23974	554	1.19	46399	3730	1.79	42917	6126	
+1.0	+4.86161	+662	-0.29187	-566	+1.20	+46306	-3772	+1.80	+42882	-6165	
					1.21	46214	3813	1.81	42846	6203	
					1.22	46125	3855	1.82	42811	6242	
					1.23	46037	3896	1.83	42777	6280	
					1.24	45951	3938	1.84	42743	6319	
					+1.25	+45867	-3979	+1.85	+42709	-6357	
					1.26	45784	4020	1.86	42676	6396	
					1.27	45703	4061	1.87	42643	6434	
					1.28	45623	4102	1.88	42610	6473	
					1.29	45545	4143	1.89	42578	6511	
-1.60	-3460	+448	-1.30	-5094	+561	+1.30	+45468	-4184	+1.90	+42546	-6549
1.59	3501	451	1.29	5167	566	1.31	45393	4225	1.91	42515	6587
1.58	3544	454	1.28	5241	570	1.32	45319	4266	1.92	42483	6626
1.57	3586	457	1.27	5316	575	1.33	45247	4307	1.93	42453	6664
1.56	3630	460	1.26	5393	580	1.34	45176	4347	1.94	42422	6702
-1.55	-3674	+464	-1.25	-5472	+585	+1.35	+45106	-4388	+1.95	+42392	-6740
1.54	3719	467	1.24	5552	590	1.36	45037	4429	1.96	42362	6778
1.53	3765	470	1.23	5634	595	1.37	44970	4469	1.97	42332	6817
1.52	3812	474	1.22	5718	600	1.38	44903	4510	1.98	42303	6855
1.51	3860	477	1.21	5803	605	1.39	44838	4550	1.99	42274	6893
-1.50	-3908	+481	-1.20	-5891	+610	+1.40	+44774	-4590	+2.00	+42245	-6931
1.49	3957	484	1.19	5980	616	1.41	44711	4631	2.01	42217	6969
1.48	4008	488	1.18	6071	621	1.42	44650	4671	2.02	42189	7007
1.47	4059	492	1.17	6165	627	1.43	44589	4711	2.03	42161	7045
1.46	4111	495	1.16	6260	632	1.44	44529	4751	2.04	42133	7083
-1.45	-4164	+499	-1.15	-6358	+638	+1.45	+44470	-4791	+2.05	+42106	-7121
1.44	4218	503	1.14	6457	644	1.46	44412	4831	2.06	42079	7158
1.43	4273	507	1.13	6559	650	1.47	44355	4871	2.07	42052	7196
1.42	4329	510	1.12	6664	656	1.48	44299	4911	2.08	42025	7234
1.41	4386	514	1.11	6771	662	1.49	44244	4951	2.09	41999	7272
-1.40	-4445	+518	-1.10	-6880	+668	+1.50	+44190	-4991	+2.10	+41972	-7310
1.39	4504	522	1.09	6992	674	1.51	44137	5030	2.11	41946	7347
1.38	4565	526	1.08	7106	680	1.52	44084	5070	2.12	41921	7385
1.37	4626	531	1.07	7224	687	1.53	44032	5110	2.13	41895	7423
1.36	4689	535	1.06	7344	693	1.54	43982	5149	2.14	41870	7460
-1.35	-4753	+539	-1.05	-7467	+700	+1.55	+43931	-5189	+2.15	+41845	-7498
1.34	4819	543	1.04	7593	707	1.56	43882	5228	2.16	41820	7536
1.33	4886	548	1.03	7722	714	1.57	43833	5268	2.17	41795	7573
1.32	4954	552	1.02	7854	721	1.58	43785	5307	2.18	41771	7611
1.31	5023	557	1.01	7990	728	1.59	43738	5347	2.19	41746	7649
-1.30	-5094	+561	-1.00	-8129	+735	+1.60	+43691	-5386	+2.20	+41722	-7686

$$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln|t|$$

$$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln|t|$$

$$4\pi W_e \times 10^4$$

t \mathcal{R} \mathcal{I} t \mathcal{R} \mathcal{I}

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+2.20	+41722	-7686	+4.00	+38591	-14175	+9.0	+28118	-29400	+15.0	+8928	-39647
2.21	41698	7724	4.05	38512	14349	9.1	27849	29652	15.1	8570	39726
2.22	41675	7761	4.10	38433	14522	9.2	27579	29901	15.2	8212	39802
2.23	41651	7799	4.15	38353	14694	9.3	27306	30148	15.3	7852	39874
2.24	41628	7836	4.20	38273	14867	9.4	27031	30393	15.4	7493	39943
+2.25	+41604	-7874	+4.25	+38193	-15039	+9.5	+26754	-30635	+15.5	+7132	-40009
2.26	41581	7911	4.30	38112	15211	9.6	26475	30874	15.6	6772	40071
2.27	41558	7949	4.35	38032	15382	9.7	26194	31111	15.7	6410	40131
2.28	41536	7986	4.40	37950	15553	9.8	25911	31346	15.8	6048	40187
2.29	41513	8023	4.45	37869	15723	9.9	25626	31578	15.9	5686	40240
+2.30	+41491	-8061	+4.50	+37787	-15894	+10.0	+25338	-31807	+16.0	+5323	-40289
2.31	41468	8098	4.55	37704	16064	10.1	25049	32034	16.1	4960	40335
2.32	41446	8135	4.60	37621	16233	10.2	24758	32258	16.2	4596	40378
2.33	41424	8173	4.65	37538	16402	10.3	24465	32479	16.3	4232	40418
2.34	41403	8210	4.70	37454	16571	10.4	24170	32698	16.4	3868	40454
+2.35	+41381	-8247	+4.75	+37370	-16739	+10.5	+23873	-32914	+16.5	+3503	-40488
2.36	41359	8284	4.80	37285	16907	10.6	23574	33128	16.6	3138	40517
2.37	41338	8322	4.85	37200	17075	10.7	23273	33339	16.7	2773	40544
2.38	41317	8359	4.90	37115	17242	10.8	22970	33547	16.8	2407	40567
2.39	41296	8396	4.95	37028	17409	10.9	22666	33752	16.9	2042	40587
+2.40	+41275	-8433	+5.0	+36942	-17575	+11.0	+22360	-33955	+17.0	+1676	-40604
2.41	41254	8470	5.1	36767	17907	11.1	22052	34155	17.1	1310	40617
2.42	41233	8507	5.2	36590	18237	11.2	21742	34352	17.2	944	40628
2.43	41212	8544	5.3	36411	18566	11.3	21431	34546	17.3	578	40634
2.44	41192	8582	5.4	36229	18892	11.4	21117	34738	17.4	212	40638
+2.45	+41171	-8619	+5.5	+36046	-19218	+11.5	+20803	-34926	+17.5	-154	-40638
2.46	41151	8656	5.6	35860	19541	11.6	20486	35112	17.6	520	40635
2.47	41131	8693	5.7	35671	19863	11.7	20168	35295	17.7	886	40629
2.48	41111	8730	5.8	35481	20183	11.8	19848	35475	17.8	1252	40619
2.49	41091	8767	5.9	35288	20502	11.9	19527	35652	17.9	1618	40606
+2.50	+41071	-8804	+6.0	+35093	-20818	+12.0	+19204	-35827	+18.0	-1984	-40590
2.55	40973	8988	6.1	34895	21133	12.1	18880	35998	18.1	2350	40570
2.60	40878	9172	6.2	34695	21446	12.2	18554	36166	18.2	2715	40548
2.65	40784	9356	6.3	34492	21758	12.3	18227	36332	18.3	3080	40522
2.70	40693	9539	6.4	34287	22067	12.4	17898	36494	18.4	3445	40492
+2.75	+40603	-9722	+6.5	+34080	-22375	+12.5	+17568	-36654	+18.5	-3810	-40460
2.80	40515	9905	6.6	33870	22681	12.6	17236	36811	18.6	4174	40424
2.85	40428	10087	6.7	33658	22985	12.7	16903	36964	18.7	4538	40384
2.90	40343	10269	6.8	33443	23287	12.8	16569	37115	18.8	4902	40342
2.95	40258	10450	6.9	33226	23587	12.9	16233	37262	18.9	5265	40296
+3.00	+40175	-10631	+7.0	+33007	-23885	+13.0	+15896	-37407	+19.0	-5628	-40247
3.05	40092	10812	7.1	32785	24181	13.1	15558	37549	19.1	5990	40195
3.10	40010	10992	7.2	32560	24475	13.2	15219	37687	19.2	6352	40139
3.15	39929	11172	7.3	32333	24767	13.3	14878	37822	19.3	6713	40081
3.20	39849	11352	7.4	32104	25057	13.4	14536	37955	19.4	7074	40019
+3.25	+39769	-11531	+7.5	+31873	-25345	+13.5	+14193	-38084	+19.5	-7434	-39953
3.30	39689	11709	7.6	31639	25631	13.6	13849	38210	19.6	7793	39885
3.35	39610	11888	7.7	31402	25914	13.7	13504	38333	19.7	8152	39813
3.40	39531	12066	7.8	31163	26196	13.8	13157	38453	19.8	8510	39738
3.45	39453	12244	7.9	30922	26475	13.9	12810	38570	19.9	8868	39660
+3.50	+39374	-12421	+8.0	+30679	-26753	+14.0	+12462	-38684	+20.0	-9225	-39579
3.55	39296	12598	8.1	30433	27028	14.1	12112	38795	20.1	9581	39494
3.60	39218	12775	8.2	30185	27300	14.2	11762	38902	20.2	9936	39406
3.65	39140	12951	8.3	29934	27571	14.3	11411	39006	20.3	10291	39315
3.70	39062	13127	8.4	29682	27839	14.4	11058	39107	20.4	10644	39221
+3.75	+38983	-13302	+8.5	+29427	-28105	+14.5	+10705	-39205	+20.5	-10997	-39124
3.80	38905	13478	8.6	29169	28369	14.6	10351	39300	20.6	11349	39023
3.85	38827	13652	8.7	28910	28630	14.7	9997	39392	20.7	11700	38919
3.90	38748	13827	8.8	28648	28889	14.8	9641	39480	20.8	12050	38812
3.95	38670	14001	8.9	28384	29146	14.9	9285	39565	20.9	12399	38702
+4.00	+38591	-14175	+9.0	+28118	-29400	+15.0	+8928	-39647	+21.0	-12747	-38589

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 0$$

t	R	S	t	R	S	t	R	S	t	R	S
+21.0	-12747	-38589	+27.0	-30782	-26542	+33.0	-40052	-6938	+39.0	-37923	+14642
21.1	13094	38473	27.1	31019	26264	33.1	40113	6577	39.1	37789	14983
21.2	13440	38353	27.2	31254	25984	33.2	40171	6216	39.2	37653	15322
21.3	13785	38231	27.3	31487	25702	33.3	40225	5854	39.3	37514	15661
21.4	14128	38105	27.4	31717	25417	33.4	40276	5492	39.4	37371	15998
+21.5	-14471	-37977	+27.5	-31945	-25131	+33.5	-40324	-5129	+39.5	-37226	+16333
21.6	14812	37845	27.6	32170	24842	33.6	40369	4766	39.6	37077	16668
21.7	15153	37710	27.7	32392	24552	33.7	40410	4403	39.7	36926	17001
21.8	15492	37572	27.8	32612	24259	33.8	40448	4039	39.8	36771	17332
21.9	15829	37431	27.9	32829	23965	33.9	40483	3675	39.9	36614	17663
+22.0	-16166	-37287	+28.0	-33043	-23668	+34.0	-40514	-3310	+40.0	-36454	+17991
22.1	16501	37140	28.1	33255	23370	34.1	40543	2945	40.1	36290	18319
22.2	16835	36990	28.2	33464	23069	34.2	40567	2580	40.2	36124	18645
22.3	17167	36837	28.3	33671	22767	34.3	40589	2215	40.3	35955	18969
22.4	17498	36681	28.4	33874	22463	34.4	40607	1850	40.4	35783	19292
+22.5	-17828	-36522	+28.5	-34075	-22158	+34.5	-40623	-1484	+40.5	-35607	+19613
22.6	18156	36360	28.6	34273	21850	34.6	40634	1119	40.6	35430	19933
22.7	18482	36195	28.7	34469	21541	34.7	40643	753	40.7	35249	20251
22.8	18808	36028	28.8	34661	21230	34.8	40648	387	40.8	35065	20567
22.9	19131	35857	28.9	34851	20917	34.9	40650	-21	40.9	34879	20882
+23.0	-19453	-35683	+29.0	-35038	-20602	+35.0	-40648	+345	+41.0	-34689	+21195
23.1	19774	35507	29.1	35222	20286	35.1	40644	710	41.1	34497	21506
23.2	20093	35327	29.2	35403	19968	35.2	40636	1076	41.2	34302	21816
23.3	20410	35145	29.3	35581	19649	35.3	40624	1442	41.3	34104	22124
23.4	20726	34960	29.4	35757	19328	35.4	40610	1807	41.4	33904	22430
+23.5	-21040	-34772	+29.5	-35930	-19005	+35.5	-40592	+2173	+41.5	-33701	+22734
23.6	21352	34581	29.6	36099	18681	35.6	40571	2538	41.6	33495	23036
23.7	21662	34388	29.7	36266	18355	35.7	40546	2903	41.7	33286	23337
23.8	21971	34191	29.8	36430	18028	35.8	40519	3268	41.8	33075	23635
23.9	22278	33992	29.9	36591	17700	35.9	40488	3632	41.9	32861	23932
+24.0	-22583	-33790	+30.0	-36749	-17370	+36.0	-40453	+3997	+42.0	-32644	+24227
24.1	22887	33586	30.1	36903	17038	36.1	40416	4361	42.1	32425	24520
24.2	23188	33379	30.2	37055	16705	36.2	40375	4724	42.2	32203	24811
24.3	23488	33169	30.3	37204	16371	36.3	40331	5087	42.3	31978	25099
24.4	23785	32956	30.4	37350	16036	36.4	40283	5450	42.4	31751	25386
+24.5	-24081	-32740	+30.5	-37493	-15699	+36.5	-40233	+5812	+42.5	-31521	+25671
24.6	24375	32522	30.6	37633	15361	36.6	40179	6174	42.6	31289	25954
24.7	24667	32302	30.7	37770	15021	36.7	40122	6536	42.7	31054	26234
24.8	24957	32078	30.8	37903	14681	36.8	40061	6896	42.8	30817	26513
24.9	25245	31853	30.9	38034	14339	36.9	39998	7257	42.9	30577	26789
+25.0	-25530	-31624	+31.0	-38162	-13996	+37.0	-39931	+7616	+43.0	-30335	+27063
25.1	25814	31393	31.1	38286	13652	37.1	39861	7975	43.1	30090	27335
25.2	26096	31159	31.2	38408	13307	37.2	39787	8334	43.2	29843	27605
25.3	26375	30923	31.3	38526	12961	37.3	39711	8692	43.3	29593	27872
25.4	26652	30685	31.4	38641	12614	37.4	39631	9049	43.4	29341	28137
+25.5	-26928	-30444	+31.5	-38753	-12265	+37.5	-39548	+9405	+43.5	-29087	+28400
25.6	27201	30200	31.6	38862	11916	37.6	39462	9760	43.6	28830	28661
25.7	27471	29954	31.7	38968	11566	37.7	39372	10115	43.7	28571	28919
25.8	27740	29705	31.8	39070	11215	37.8	39280	10469	43.8	28310	29175
25.9	28006	29455	31.9	39170	10863	37.9	39184	10822	43.9	28046	29429
+26.0	-28270	-29201	+32.0	-39266	-10510	+38.0	-39085	+11174	+44.0	-27780	+29680
26.1	28532	28946	32.1	39359	10156	38.1	38983	11526	44.1	27512	29929
26.2	28792	28688	32.2	39449	9801	38.2	38878	11876	44.2	27241	30175
26.3	29049	28428	32.3	39536	9446	38.3	38769	12226	44.3	26969	30419
26.4	29303	28165	32.4	39619	9090	38.4	38658	12574	44.4	26694	30661
+26.5	-29556	-27900	+32.5	-39699	-8733	+38.5	-38543	+12921	+44.5	-26417	+30900
26.6	29806	27633	32.6	39776	8375	38.6	38425	13268	44.6	26138	31136
26.7	30053	27364	32.7	39850	8017	38.7	38304	13613	44.7	25856	31370
26.8	30299	27092	32.8	39921	7658	38.8	38180	13957	44.8	25573	31601
26.9	30541	26818	32.9	39988	7298	38.9	38053	14300	44.9	25288	31830
+27.0	-30782	-26542	+33.0	-40052	-6938	+39.0	-37923	+14642	+45.0	-25000	+32057

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+45.0	-25000	+32057	+51.0	-4962	+40349	+57.0	+16488	+37159	+63.0	+33246	+23395
45.1	24711	32280	51.1	4599	40392	57.1	16822	37009	63.1	33455	23095
45.2	24419	32501	51.2	4235	40432	57.2	17154	36856	63.2	33662	22793
45.3	24126	32720	51.3	3871	40468	57.3	17485	36701	63.3	33866	22489
45.4	23830	32936	51.4	3507	40502	57.4	17815	36542	63.4	34067	22183
+45.5	-23533	+33149	+51.5	-3142	+40532	+57.5	+18143	+36380	+63.5	+34265	+21876
45.6	23234	33359	51.6	2777	40558	57.6	18469	36215	63.6	34460	21566
45.7	22932	33567	51.7	2412	40582	57.7	18795	36047	63.7	34653	21255
45.8	22629	33772	51.8	2047	40602	57.8	19118	35877	63.8	34843	20943
45.9	22325	33974	51.9	1681	40618	57.9	19440	35703	63.9	35030	20628
+46.0	-22018	+34174	+52.0	-1316	+40632	+58.0	+19761	+35527	+64.0	+35214	+20312
46.1	21709	34371	52.1	950	40642	58.1	20080	35348	64.1	35396	19994
46.2	21399	34565	52.2	584	40649	58.2	20397	35165	64.2	35574	19675
46.3	21087	34756	52.3	219	40653	58.3	20713	34980	64.3	35750	19354
46.4	20774	34944	52.4	+147	40653	58.4	21027	34793	64.4	35923	19031
+46.5	-20458	+35130	+52.5	+513	+40650	+58.5	+21339	+34602	+64.5	+36092	+18707
46.6	20141	35313	52.6	879	40644	58.6	21650	34408	64.6	36259	18382
46.7	19823	35492	52.7	1245	40634	58.7	21958	34212	64.7	36423	18055
46.8	19503	35669	52.8	1610	40621	58.8	22265	34013	64.8	36584	17726
46.9	19181	35843	52.9	1976	40605	58.9	22571	33811	64.9	36742	17396
+47.0	-18858	+36015	+53.0	+2341	+40586	+59.0	+22874	+33607	+65.0	+36897	+17065
47.1	18533	36183	53.1	2706	40563	59.1	23175	33400	65.1	37050	16732
47.2	18206	36348	53.2	3071	40537	59.2	23475	33190	65.2	37199	16398
47.3	17878	36511	53.3	3436	40508	59.3	23773	32977	65.3	37345	16063
47.4	17549	36670	53.4	3800	40475	59.4	24069	32762	65.4	37488	15726
+47.5	-17218	+36827	+53.5	+4165	+40439	+59.5	+24363	+32544	+65.5	+37628	+15388
47.6	16886	36980	53.6	4528	40400	59.6	24654	32323	65.6	37765	15049
47.7	16553	37131	53.7	4892	40358	59.7	24944	32100	65.7	37899	14708
47.8	16218	37278	53.8	5255	40312	59.8	25232	31874	65.8	38029	14366
47.9	15882	37422	53.9	5617	40263	59.9	25518	31646	65.9	38157	14024
+48.0	-15544	+37564	+54.0	+5979	+40211	+60.0	+25802	+31415	+66.0	+38282	+13680
48.1	15206	37702	54.1	6341	40155	60.1	26083	31182	66.1	38403	13335
48.2	14866	37838	54.2	6702	40097	60.2	26363	30946	66.2	38522	12988
48.3	14525	37970	54.3	7063	40035	60.3	26641	30707	66.3	38637	12641
48.4	14182	38099	54.4	7423	39970	60.4	26916	30466	66.4	38749	12293
+48.5	-13839	+38225	+54.5	+7782	+39901	+60.5	+27189	+30223	+66.5	+38858	+11944
48.6	13494	38348	54.6	8141	39830	60.6	27460	29977	66.6	38964	11593
48.7	13149	38468	54.7	8499	39755	60.7	27728	29728	66.7	39067	11242
48.8	12802	38585	54.8	8857	39677	60.8	27995	29478	66.8	39167	10890
48.9	12454	38698	54.9	9213	39595	60.9	28259	29224	66.9	39263	10537
+49.0	-12106	+38809	+55.0	+9569	+39511	+61.0	+28521	+28969	+67.0	+39356	+10184
49.1	11756	38916	55.1	9924	39423	61.1	28780	28711	67.1	39446	9829
49.2	11405	39021	55.2	10279	39332	61.2	29038	28451	67.2	39533	9474
49.3	11053	39122	55.3	10632	39238	61.3	29292	28188	67.3	39617	9117
49.4	10701	39220	55.4	10985	39141	61.4	29545	27924	67.4	39697	8761
+49.5	-10348	+39314	+55.5	+11337	+39040	+61.5	+29795	+27657	+67.5	+39774	+8403
49.6	9993	39406	55.6	11688	38937	61.6	30043	27387	67.6	39848	8045
49.7	9638	39494	55.7	12038	38830	61.7	30288	27116	67.7	39919	7686
49.8	9282	39579	55.8	12387	38720	61.8	30531	26842	67.8	39987	7326
49.9	8926	39661	55.9	12735	38607	61.9	30771	26566	67.9	40051	6966
+50.0	-8569	+39740	+56.0	+13082	+38491	+62.0	+31009	+26288	+68.0	+40112	+6605
50.1	8211	39815	56.1	13427	38371	62.1	31244	26008	68.1	40170	6244
50.2	7852	39888	56.2	13772	38249	62.2	31477	25726	68.2	40224	5882
50.3	7493	39957	56.3	14116	38123	62.3	31707	25442	68.3	40276	5520
50.4	7133	40023	56.4	14458	37995	62.4	31935	25155	68.4	40324	5157
+50.5	-6772	+40085	+56.5	+14800	+37863	+62.5	+32160	+24867	+68.5	+40369	+4794
50.6	6411	40144	56.6	15140	37729	62.6	32383	24576	68.6	40410	4431
50.7	6050	40201	56.7	15479	37591	62.7	32603	24284	68.7	40448	4067
50.8	5688	40253	56.8	15816	37450	62.8	32820	23989	68.8	40483	3703
50.9	5325	40303	56.9	16153	37306	62.9	33034	23693	68.9	40515	3338
+51.0	-4962	+40349	+57.0	+16488	+37159	+63.0	+33246	+23395	+69.0	+40543	+2973

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+69.0	+40543	+2973	+75.0	+36303	-18295	+81.0	+21731	-34356	+87.0	+975	-40640
69.1	40568	2608	75.1	36137	18621	81.1	21421	34550	87.1	+609	40647
69.2	40590	2243	75.2	35967	18945	81.2	21109	34742	87.2	+243	40651
69.3	40609	1878	75.3	35795	19268	81.3	20795	34930	87.3	-122	40652
69.4	40624	1512	75.4	35621	19590	81.4	20480	35116	87.4	488	40649
+69.5	+40636	+1146	+75.5	+35443	-19909	+81.5	+20163	-35299	+87.5	-854	-40643
69.6	40645	781	75.6	35262	20227	81.6	19845	35479	87.6	1220	40633
69.7	40650	415	75.7	35079	20544	81.7	19525	35656	87.7	1585	40621
69.8	40652	+49	75.8	34892	20859	81.8	19203	35831	87.8	1951	40605
69.9	40651	-317	75.9	34703	21172	81.9	18880	36002	87.9	2316	40586
+70.0	+40646	-683	+76.0	+34511	-21484	+82.0	+18555	-36170	+88.0	-2682	-40563
70.1	40639	1048	76.1	34317	21793	82.1	18229	36336	88.1	3047	40537
70.2	40628	1414	76.2	34119	22101	82.2	17901	36498	88.2	3411	40508
70.3	40613	1780	76.3	33919	22407	82.3	17572	36658	88.3	3776	40476
70.4	40596	2145	76.4	33716	22712	82.4	17241	36815	88.4	4140	40440
+70.5	+40575	-2510	+76.5	+33510	-23014	+82.5	+16909	-36968	+88.5	-4504	-40401
70.6	40550	2876	76.6	33301	23315	82.6	16576	37119	88.6	4867	40359
70.7	40523	3240	76.7	33090	23614	82.7	16241	37267	88.7	5230	40314
70.8	40492	3605	76.8	32876	23911	82.8	15905	37411	88.8	5593	40265
70.9	40458	3969	76.9	32660	24206	82.9	15568	37553	88.9	5955	40213
+71.0	+40420	-4333	+77.0	+32441	-24498	+83.0	+15229	-37692	+89.0	-6317	-40158
71.1	40380	4697	77.1	32219	24789	83.1	14889	37827	89.1	6678	40099
71.2	40336	5060	77.2	31994	25078	83.2	14548	37960	89.2	7038	40038
71.3	40289	5423	77.3	31767	25365	83.3	14206	38089	89.3	7398	39973
71.4	40238	5785	77.4	31538	25650	83.4	13862	38215	89.4	7758	39905
+71.5	+40185	-6147	+77.5	+31306	-25933	+83.5	+13518	-38338	+89.5	-8117	-39833
71.6	40128	6509	77.6	31071	26214	83.6	13172	38459	89.6	8475	39759
71.7	40067	6869	77.7	30834	26492	83.7	12826	38575	89.7	8832	39681
71.8	40004	7230	77.8	30594	26769	83.8	12478	38689	89.8	9189	39600
71.9	39937	7589	77.9	30352	27043	83.9	12129	38800	89.9	9545	39515
+72.0	+39867	-7949	+78.0	+30107	-27315	+84.0	+11780	-38908	+90.0	-9900	-39428
72.1	39794	8307	78.1	29860	27585	84.1	11429	39012	90.1	10255	39337
72.2	39718	8665	78.2	29611	27853	84.2	11077	39113	90.2	10608	39243
72.3	39638	9022	78.3	29359	28118	84.3	10725	39211	90.3	10961	39146
72.4	39555	9378	78.4	29105	28381	84.4	10372	39306	90.4	11313	39046
+72.5	+39469	-9734	+78.5	+28848	-28642	+84.5	+10018	-39398	+90.5	-11664	-38942
72.6	39380	10089	78.6	28589	28900	84.6	9663	39487	90.6	12014	38836
72.7	39288	10443	78.7	28328	29156	84.7	9307	39572	90.7	12363	38726
72.8	39192	10796	78.8	28064	29410	84.8	8950	39654	90.8	12711	38613
72.9	39094	11148	78.9	27799	29662	84.9	8593	39733	90.9	13058	38497
+73.0	+38992	-11500	+79.0	+27530	-29911	+85.0	+8235	-39809	+91.0	-13404	-38378
73.1	38886	11850	79.1	27260	30157	85.1	7877	39881	91.1	13749	38256
73.2	38778	12200	79.2	26988	30401	85.2	7517	39951	91.2	14093	38131
73.3	38667	12548	79.3	26713	30643	85.3	7157	40017	91.3	14435	38002
73.4	38552	12896	79.4	26436	30882	85.4	6797	40079	91.4	14777	37871
+73.5	+38435	-13242	+79.5	+26157	-31119	+85.5	+6436	-40139	+91.5	-15117	-37736
73.6	38314	13587	79.6	25876	31353	85.6	6074	40195	91.6	15456	37599
73.7	38190	13932	79.7	25593	31585	85.7	5712	40248	91.7	15794	37458
73.8	38063	14275	79.8	25307	31814	85.8	5350	40298	91.8	16130	37315
73.9	37933	14617	79.9	25020	32040	85.9	4987	40345	91.9	16465	37168
+74.0	+37800	-14958	+80.0	+24731	-32264	+86.0	+4624	-40388	+92.0	-16799	-37018
74.1	37664	15297	80.1	24439	32485	86.1	4260	40428	92.1	17132	36866
74.2	37525	15636	80.2	24146	32704	86.2	3896	40464	92.2	17463	36710
74.3	37382	15973	80.3	23851	32920	86.3	3532	40498	92.3	17793	36551
74.4	37237	16309	80.4	23553	33133	86.4	3167	40528	92.4	18121	36390
+74.5	+37089	-16643	+80.5	+23254	-33344	+86.5	+2802	-40555	+92.5	-18448	-36225
74.6	36938	16976	80.6	22953	33552	86.6	2437	40579	92.6	18773	36058
74.7	36783	17308	80.7	22650	33757	86.7	2072	40599	92.7	19097	35887
74.8	36626	17638	80.8	22346	33959	86.8	1706	40616	92.8	19419	35714
74.9	36466	17967	80.9	22039	34159	86.9	1341	40630	92.9	19740	35538
+75.0	+36303	-18295	+81.0	+21731	-34356	+87.0	+975	-40640	+93.0	-20059	-35359

$$\bar{\omega} = 0.09$$

$$4\pi W_c \times 10^4$$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+93.0	-20059	-35359	+98.0	-33441	-23114	-100	0	0	-7.5	-127	+57
93.1	20376	35177	98.1	33648	22812	95	0	0	7.4	131	58
93.2	20692	34992	98.2	33852	22508	90	0	0	7.3	135	59
93.3	21006	34804	98.3	34053	22203	85	0	0	7.2	139	60
93.4	21318	34614	98.4	34251	21895	80	0	0	7.1	143	62
+93.5	-21629	-34420	+98.5	-34447	-21586	-75	0	0	-7.0	-148	+63
93.6	21938	34224	98.6	34640	21275	70	0	0	6.9	153	64
93.7	22245	34026	98.7	34830	20962	65	0	+1	6.8	158	66
93.8	22550	33824	98.8	35017	20648	60	0	1	6.7	163	67
93.9	22854	33620	98.9	35202	20332	55	-1	1	6.6	168	68
+94.0	-23155	-33413	+99.0	-35383	-20014	-50	-1	+1	-6.5	-173	+70
94.1	23455	33203	99.1	35562	19695	45	1	2	6.4	179	72
94.2	23753	32990	99.2	35738	19374	40	2	2	6.3	185	73
94.3	24049	32775	99.3	35911	19052	35	2	3	6.2	192	75
94.4	24343	32558	99.4	36081	18728	30	4	4	6.1	198	77
+94.5	-24635	-32337	+99.5	-36248	-18403	-25.0	-6	+7	-6.0	-206	+79
94.6	24925	32114	99.6	36412	18076	24.5	6	7	5.9	213	80
94.7	25213	31889	99.7	36573	17747	24.0	7	7	5.8	221	82
94.8	25499	31660	99.8	36731	17417	23.5	7	7	5.7	229	84
94.9	25783	31430	99.9	36887	17086	23.0	8	8	5.6	237	86
+95.0	-26065	-31196	+100.0	-37039	-16753	-22.5	-8	+8	-5.5	-246	+89
95.1	26344	30960				22.0	9	8	5.4	255	91
95.2	26622	30722				21.5	9	9	5.3	265	93
95.3	26897	30481				21.0	10	9	5.2	276	96
95.4	27171	30238				20.5	11	10	5.1	286	98
+95.5	-27442	-29992				-20.0	-11	+10	-5.0	-298	+101
95.6	27710	29744				19.5	12	11	4.9	310	104
95.7	27977	29493				19.0	13	11	4.8	323	106
95.8	28241	29240				18.5	14	12	4.7	336	109
95.9	28503	28985				18.0	15	12	4.6	351	112
+96.0	-28763	-28727				-17.5	-16	+13	-4.5	-366	+116
96.1	29020	28467				17.0	18	14	4.4	382	119
96.2	29275	28205				16.5	19	15	4.3	399	123
96.3	29528	27940				16.0	21	16	4.2	417	126
96.4	29778	27673				15.5	22	17	4.1	436	130
+96.5	-30026	-27404				-15.0	-24	+18	-4.0	-457	+134
96.6	30272	27133				14.5	27	19	3.9	479	138
96.7	30515	26859				14.0	29	20	3.8	502	143
96.8	30755	26584				13.5	32	21	3.7	527	147
96.9	30993	26306				13.0	35	23	3.6	553	152
+97.0	-31229	-26026				-12.5	-39	+25	-3.5	-582	+157
97.1	31462	25744				12.0	43	27	3.4	612	163
97.2	31692	25460				11.5	47	28	3.3	644	168
97.3	31920	25173				11.0	53	31	3.2	679	174
97.4	32145	24885				10.5	59	33	3.1	717	180
+97.5	-32368	-24595				-10.0	-66	+36	-3.00	-757	+187
97.6	32588	24302				9.5	74	39	2.99	761	188
97.7	32805	24008				9.0	84	43	2.98	765	188
97.8	33020	23712				8.5	96	47	2.97	770	189
97.9	33232	23414				8.0	110	51	2.96	774	190
+98.0	-33441	-23114				-7.5	-127	+57	-2.95	-778	+190

$$4\pi W_0 \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
-2.95	-778	+190	-2.45	-1042	+231	-1.95	-1440	+287	-1.45	-2060	+364
2.94	783	191	2.44	1049	232	1.94	1450	288	1.44	2075	366
2.93	787	192	2.43	1055	233	1.93	1460	289	1.43	2091	368
2.92	792	193	2.42	1062	234	1.92	1470	290	1.42	2107	370
2.91	796	193	2.41	1068	235	1.91	1480	292	1.41	2123	372
-2.90	-801	+194	-2.40	-1075	+236	-1.90	-1490	+293	-1.40	-2139	+374
2.89	805	195	2.39	1082	237	1.89	1500	294	1.39	2155	376
2.88	810	195	2.38	1088	238	1.88	1511	296	1.38	2172	377
2.87	814	196	2.37	1095	239	1.87	1521	297	1.37	2188	379
2.86	819	197	2.36	1102	240	1.86	1532	299	1.36	2205	381
-2.85	-823	+198	-2.35	-1109	+241	-1.85	-1542	+300	-1.35	-2222	+383
2.84	828	198	2.34	1116	242	1.84	1553	301	1.34	2239	385
2.83	833	199	2.33	1123	243	1.83	1564	303	1.33	2257	387
2.82	838	200	2.32	1130	244	1.82	1575	304	1.32	2274	389
2.81	842	201	2.31	1137	245	1.81	1586	306	1.31	2292	392
-2.80	-847	+201	-2.30	-1144	+246	-1.80	-1597	+307	-1.30	-2309	+394
2.79	852	202	2.29	1152	247	1.79	1608	308	1.29	2327	396
2.78	857	203	2.28	1159	248	1.78	1620	310	1.28	2345	398
2.77	862	204	2.27	1166	249	1.77	1631	311	1.27	2364	400
2.76	867	205	2.26	1174	251	1.76	1643	313	1.26	2382	402
-2.75	-872	+205	-2.25	-1181	+252	-1.75	-1654	+314	-1.25	-2401	+404
2.74	877	206	2.24	1189	253	1.74	1666	316	1.24	2420	406
2.73	882	207	2.23	1197	254	1.73	1678	317	1.23	2439	409
2.72	887	208	2.22	1204	255	1.72	1690	319	1.22	2458	411
2.71	893	208	2.21	1212	256	1.71	1702	320	1.21	2477	413
-2.70	-898	+209	-2.20	-1220	+257	-1.70	-1714	+322	-1.20	-2497	+415
2.69	903	210	2.19	1228	258	1.69	1727	323	1.19	2517	418
2.68	908	211	2.18	1236	259	1.68	1739	325	1.18	2536	420
2.67	914	212	2.17	1244	260	1.67	1752	327	1.17	2557	422
2.66	919	213	2.16	1252	261	1.66	1764	328	1.16	2577	424
-2.65	-925	+213	-2.15	-1260	+263	-1.65	-1777	+330	-1.15	-2597	+427
2.64	930	214	2.14	1268	264	1.64	1790	331	1.14	2618	429
2.63	936	215	2.13	1277	265	1.63	1803	333	1.13	2639	431
2.62	941	216	2.12	1285	266	1.62	1816	335	1.12	2660	434
2.61	947	217	2.11	1294	267	1.61	1830	336	1.11	2681	436
-2.60	-952	+218	-2.10	-1302	+268	-1.60	-1843	+338	-1.10	-2703	+439
2.59	958	219	2.09	1311	269	1.59	1856	340	1.09	2725	441
2.58	964	219	2.08	1320	271	1.58	1870	341	1.08	2746	444
2.57	969	220	2.07	1328	272	1.57	1884	343	1.07	2769	446
2.56	975	221	2.06	1337	273	1.56	1898	345	1.06	2791	449
-2.55	-981	+222	-2.05	-1346	+274	-1.55	-1912	+346	-1.05	-2813	+451
2.54	987	223	2.04	1355	275	1.54	1926	348	1.04	2836	454
2.53	993	224	2.03	1364	277	1.53	1940	350	1.03	2859	456
2.52	999	225	2.02	1373	278	1.52	1955	351	1.02	2882	459
2.51	1005	226	2.01	1383	279	1.51	1969	353	1.01	2906	461
-2.50	-1011	+227	-2.00	-1392	+280	-1.50	-1984	+355	-1.00	-2930	+464
2.49	1017	228	1.99	1402	282	1.49	1999	357	0.99	2953	467
2.48	1023	229	1.98	1411	283	1.48	2014	359	0.98	2977	469
2.47	1030	229	1.97	1421	284	1.47	2029	360	0.97	3002	472
2.46	1036	230	1.96	1430	285	1.46	2044	362	0.96	3026	475
-2.45	-1042	+231	-1.95	-1440	+287	-1.45	-2060	+364	-0.95	-3051	+477

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
-0.95	-3051	+477	-0.45	-4606	+647	+0.05	-6691	+900	+0.55	-8687	+1248
0.94	3076	480	0.44	4643	651	0.06	6735	906	0.56	8721	1256
0.93	3101	483	0.43	4681	656	0.07	6778	912	0.57	8755	1264
0.92	3127	486	0.42	4719	660	0.08	6822	919	0.58	8789	1272
0.91	3152	489	0.41	4757	664	0.09	6865	925	0.59	8822	1280
-0.90	-3178	+492	-0.40	-4796	+668	+0.10	-6908	+931	+0.60	-8855	+1288
0.89	3204	494	0.39	4835	673	0.11	6951	937	0.61	8888	1295
0.88	3231	497	0.38	4874	677	0.12	6994	943	0.62	8921	1304
0.87	3258	500	0.37	4913	681	0.13	7038	950	0.63	8953	1312
0.86	3284	503	0.36	4952	686	0.14	7080	956	0.64	8985	1320
-0.85	-3312	+506	-0.35	-4992	+690	+0.15	-7123	+962	+0.65	-9017	+1328
0.84	3339	509	0.34	5032	695	0.16	7166	969	0.66	9048	1336
0.83	3367	512	0.33	5072	699	0.17	7209	975	0.67	9080	1344
0.82	3394	515	0.32	5112	704	0.18	7251	982	0.68	9111	1352
0.81	3423	518	0.31	5152	709	0.19	7293	988	0.69	9141	1360
-0.80	-3451	+521	-0.30	-5193	+713	+0.20	-7336	+995	+0.70	-9172	+1369
0.79	3480	524	0.29	5234	718	0.21	7378	1002	0.71	9202	1377
0.78	3508	528	0.28	5275	723	0.22	7419	1008	0.72	9232	1385
0.77	3538	531	0.27	5316	727	0.23	7461	1015	0.73	9262	1394
0.76	3567	534	0.26	5357	732	0.24	7503	1022	0.74	9291	1402
-0.75	-3597	+537	-0.25	-5399	+737	+0.25	-7544	+1028	+0.75	-9320	+1410
0.74	3626	540	0.24	5440	742	0.26	7585	1035	0.76	9349	1419
0.73	3657	544	0.23	5482	747	0.27	7626	1042	0.77	9378	1427
0.72	3687	547	0.22	5524	752	0.28	7667	1049	0.78	9406	1436
0.71	3718	550	0.21	5566	757	0.29	7708	1056	0.79	9434	1444
-0.70	-3749	+554	-0.20	-5609	+762	+0.30	-7749	+1063	+0.80	-9462	+1453
0.69	3780	557	0.19	5651	767	0.31	7789	1070	0.81	9489	1461
0.68	3811	560	0.18	5693	772	0.32	7829	1077	0.82	9516	1470
0.67	3843	564	0.17	5736	777	0.33	7869	1084	0.83	9543	1478
0.66	3875	567	0.16	5779	782	0.34	7908	1091	0.84	9570	1487
-0.65	-3907	+571	-0.15	-5822	+788	+0.35	-7948	+1098	+0.85	-9597	+1496
0.64	3940	574	0.14	5865	793	0.36	7987	1105	0.86	9623	1504
0.63	3972	578	0.13	5908	798	0.37	8026	1113	0.87	9649	1513
0.62	4005	582	0.12	5951	804	0.38	8065	1120	0.88	9675	1522
0.61	4039	585	0.11	5994	809	0.39	8103	1127	0.89	9700	1530
-0.60	-4072	+589	-0.10	-6037	+814	+0.40	-8142	+1134	+0.90	-9725	+1539
0.59	4106	592	0.09	6081	820	0.41	8180	1142	0.91	9750	1548
0.58	4140	596	0.08	6124	825	0.42	8218	1149	0.92	9775	1557
0.57	4174	600	0.07	6168	831	0.43	8255	1157	0.93	9800	1565
0.56	4209	604	0.06	6211	836	0.44	8293	1164	0.94	9824	1574
-0.55	-4244	+607	-0.05	-6255	+842	+0.45	-8330	+1171	+0.95	-9848	+1583
0.54	4279	611	0.04	6298	848	0.46	8366	1179	0.96	9872	1592
0.53	4314	615	0.03	6342	853	0.47	8403	1187	0.97	9895	1601
0.52	4350	619	0.02	6386	859	0.48	8439	1194	0.98	9918	1610
0.51	4385	623	-0.01	6429	865	0.49	8476	1202	0.99	9941	1619
-0.50	-4422	+627	0.00	-6473	+871	+0.50	-8511	+1209	+1.00	-9964	+1628
0.49	4458	631	+0.01	6517	877	0.51	8547	1217	1.01	9987	1637
0.48	4494	635	0.02	6560	882	0.52	8582	1225	1.02	10009	1646
0.47	4531	639	0.03	6604	888	0.53	8617	1233	1.03	10031	1655
0.46	4568	643	0.04	6648	894	0.54	8652	1240	1.04	10053	1664
-0.45	-4606	+647	+0.05	-6691	+900	+0.55	-8687	+1248	+1.05	-10075	+1673

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+1.05	-10075	+1673	+1.75	-11132	+2345	+4.25	-11603	+4956	+6.75	-10470	+7456
1.06	10096	1682	1.80	11180	2395	4.30	11590	5009	6.80	10439	7503
1.07	10118	1691	1.85	11225	2446	4.35	11576	5061	6.85	10408	7550
1.08	10139	1700	1.90	11267	2496	4.40	11562	5113	6.90	10376	7597
1.09	10159	1709	1.95	11307	2547	4.45	11548	5165	6.95	10345	7644
+1.10	-10180	+1718	+2.00	-11345	+2598	+4.50	-11533	+5217	+7.00	-10313	+7690
1.11	10200	1727	2.05	11380	2649	4.55	11518	5269	7.05	10281	7736
1.12	10220	1737	2.10	11413	2700	4.60	11502	5320	7.10	10248	7783
1.13	10240	1746	2.15	11444	2752	4.65	11485	5372	7.15	10216	7829
1.14	10260	1755	2.20	11473	2803	4.70	11469	5424	7.20	10183	7874
+1.15	-10279	+1764	+2.25	-11500	+2855	+4.75	-11452	+5475	+7.25	-10150	+7920
1.16	10299	1773	2.30	11525	2907	4.80	11434	5527	7.30	10116	7966
1.17	10318	1783	2.35	11549	2959	4.85	11416	5578	7.35	10082	8011
1.18	10337	1792	2.40	11570	3011	4.90	11398	5630	7.40	10049	8056
1.19	10355	1801	2.45	11590	3063	4.95	11379	5681	7.45	10014	8102
+1.20	-10374	+1811	+2.50	-11609	+3115	+5.00	-11360	+5732	+7.50	-9980	+8147
1.21	10392	1820	2.55	11626	3167	5.05	11340	5783	7.55	9945	8191
1.22	10410	1829	2.60	11641	3220	5.10	11320	5834	7.60	9910	8236
1.23	10428	1839	2.65	11656	3272	5.15	11299	5885	7.65	9875	8281
1.24	10446	1848	2.70	11668	3324	5.20	11279	5936	7.70	9840	8325
+1.25	-10463	+1858	+2.75	-11680	+3377	+5.25	-11258	+5986	+7.75	-9804	+8369
1.26	10481	1867	2.80	11690	3430	5.30	11236	6037	7.80	9768	8413
1.27	10498	1876	2.85	11699	3482	5.35	11214	6088	7.85	9732	8457
1.28	10515	1886	2.90	11707	3535	5.40	11192	6138	7.90	9696	8501
1.29	10532	1895	2.95	11714	3588	5.45	11169	6188	7.95	9660	8545
+1.30	-10548	+1905	+3.00	-11720	+3640	+5.50	-11146	+6239	+8.0	-9623	+8588
1.31	10565	1914	3.05	11725	3693	5.55	11123	6289	8.2	9474	8760
1.32	10581	1924	3.10	11729	3746	5.60	11099	6339	8.4	9321	8929
1.33	10597	1933	3.15	11732	3799	5.65	11075	6388	8.6	9165	9095
1.34	10613	1943	3.20	11734	3851	5.70	11051	6438	8.8	9005	9259
+1.35	-10629	+1953	+3.25	-11735	+3904	+5.75	-11026	+6488	+9.0	-8842	+9419
1.36	10644	1962	3.30	11735	3957	5.80	11002	6538	9.2	8676	9577
1.37	10659	1972	3.35	11734	4010	5.85	10976	6587	9.4	8507	9732
1.38	10675	1981	3.40	11733	4063	5.90	10951	6636	9.6	8335	9883
1.39	10690	1991	3.45	11731	4116	5.95	10925	6686	9.8	8160	10032
+1.40	-10705	+2001	+3.50	-11728	+4168	+6.00	-10899	+6735	+10.0	-7982	+10177
1.41	10719	2010	3.55	11724	4221	6.05	10872	6784	10.2	7801	10319
1.42	10734	2020	3.60	11719	4274	6.10	10845	6832	10.4	7617	10458
1.43	10748	2029	3.65	11714	4327	6.15	10818	6881	10.6	7431	10593
1.44	10762	2039	3.70	11708	4379	6.20	10791	6930	10.8	7242	10725
+1.45	-10776	+2049	+3.75	-11702	+4432	+6.25	-10763	+6978	+11.0	-7051	+10854
1.46	10790	2058	3.80	11694	4485	6.30	10735	7027	11.2	6857	10979
1.47	10804	2068	3.85	11687	4537	6.35	10706	7075	11.4	6661	11101
1.48	10818	2078	3.90	11678	4590	6.40	10678	7123	11.6	6463	11219
1.49	10831	2088	3.95	11669	4642	6.45	10649	7171	11.8	6262	11333
+1.50	-10844	+2097	+4.00	-11659	+4695	+6.50	-10620	+7219	+12.0	-6059	+11444
1.55	10909	2146	4.05	11649	4747	6.55	10590	7267	12.2	5854	11552
1.60	10969	2196	4.10	11638	4800	6.60	10561	7314	12.4	5648	11655
1.65	11027	2245	4.15	11627	4852	6.65	10531	7362	12.6	5439	11755
1.70	11081	2295	4.20	11615	4904	6.70	10500	7409	12.8	5228	11851
+1.75	-11132	+2345	+4.25	-11603	+4956	+6.75	-10470	+7456	+13.0	-5016	+11943

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+13.0	-5016	+11943	+24.0	+7201	+10770	+35.0	+12948	-106	+46.0	+7013	-10881
13.2	4802	12031	24.2	7393	10639	35.2	12944	339	46.2	6816	11006
13.4	4586	12116	24.4	7583	10504	35.4	12936	572	46.4	6617	11126
13.6	4369	12196	24.6	7771	10366	35.6	12923	804	46.6	6416	11244
13.8	4150	12273	24.8	7956	10224	35.8	12907	1037	46.8	6212	11357
+14.0	-3930	+12346	+25.0	+8139	+10079	+36.0	+12886	-1269	+47.0	+6007	-11467
14.2	3709	12415	25.2	8318	9931	36.2	12861	1501	47.2	5799	11574
14.4	3486	12479	25.4	8495	9780	36.4	12832	1732	47.4	5590	11676
14.6	3262	12540	25.6	8670	9625	36.6	12798	1963	47.6	5379	11775
14.8	3037	12597	25.8	8841	9468	36.8	12761	2193	47.8	5166	11870
+15.0	-2811	+12650	+26.0	+9010	+9307	+37.0	+12719	-2422	+48.0	+4951	-11961
15.2	2584	12698	26.2	9176	9144	37.2	12673	2651	48.2	4735	12048
15.4	2356	12743	26.4	9339	8977	37.4	12624	2878	48.4	4518	12131
15.6	2127	12783	26.6	9499	8807	37.6	12570	3105	48.6	4298	12211
15.8	1898	12819	26.8	9655	8635	37.8	12512	3331	48.8	4078	12286
+16.0	-1668	+12851	+27.0	+9809	+8460	+38.0	+12450	-3556	+49.0	+3856	-12358
16.2	1437	12879	27.2	9960	8282	38.2	12384	3779	49.2	3633	12425
16.4	1206	12903	27.4	10107	8101	38.4	12313	4001	49.4	3409	12488
16.6	974	12923	27.6	10251	7918	38.6	12239	4222	49.6	3183	12548
16.8	743	12938	27.8	10391	7732	38.8	12161	4442	49.8	2957	12603
+17.0	-510	+12949	+28.0	+10529	+7544	+39.0	+12079	-4660	+50.0	+2730	-12654
17.2	278	12956	28.2	10663	7353	39.2	11993	4877	50.2	2501	12701
17.4	46	12959	28.4	10793	7160	39.4	11904	5092	50.4	2272	12744
17.6	+187	12958	28.6	10920	6965	39.6	11810	5305	50.6	2043	12783
17.8	419	12953	28.8	11043	6767	39.8	11712	5517	50.8	1812	12818
+18.0	+652	+12943	+29.0	+11163	+6567	+40.0	+11611	-5727	+51.0	+1581	-12848
18.2	884	12929	29.2	11280	6365	40.2	11506	5935	51.2	1350	12875
18.4	1116	12911	29.4	11392	6161	40.4	11397	6141	51.4	1118	12897
18.6	1348	12889	29.6	11501	5955	40.6	11285	6345	51.6	885	12915
18.8	1579	12863	29.8	11606	5747	40.8	11169	6547	51.8	653	12929
+19.0	+1809	+12832	+30.0	+11708	+5537	+41.0	+11049	-6747	+52.0	+420	-12938
19.2	2040	12797	30.2	11805	5326	41.2	10926	6945	52.2	+187	12944
19.4	2269	12759	30.4	11899	5112	41.4	10799	7141	52.4	-46	12945
19.6	2498	12716	30.6	11989	4897	41.6	10669	7334	52.6	279	12942
19.8	2726	12669	30.8	12075	4681	41.8	10535	7525	52.8	512	12935
+20.0	+2953	+12618	+31.0	+12157	+4462	+42.0	+10398	-7713	+53.0	-745	-12924
20.2	3179	12563	31.2	12236	4243	42.2	10257	7899	53.2	977	12908
20.4	3404	12503	31.4	12310	4022	42.4	10113	8082	53.4	1209	12888
20.6	3628	12440	31.6	12380	3800	42.6	9966	8263	53.6	1441	12865
20.8	3851	12373	31.8	12446	3576	42.8	9816	8441	53.8	1673	12837
+21.0	+4072	+12301	+32.0	+12509	+3352	+43.0	+9662	-8616	+54.0	-1903	-12804
21.2	4293	12226	32.2	12567	3126	43.2	9505	8789	54.2	2134	12768
21.4	4512	12147	32.4	12621	2899	43.4	9346	8958	54.4	2363	12728
21.6	4729	12064	32.6	12671	2672	43.6	9183	9125	54.6	2592	12683
21.8	4945	11977	32.8	12717	2443	43.8	9017	9289	54.8	2820	12634
+22.0	+5160	+11886	+33.0	+12759	+2214	+44.0	+8848	-9450	+55.0	-3047	-12581
22.2	5372	11791	33.2	12796	1984	44.2	8677	9607	55.2	3273	12525
22.4	5583	11692	33.4	12830	1753	44.4	8502	9762	55.4	3498	12464
22.6	5792	11590	33.6	12859	1522	44.6	8325	9913	55.6	3721	12399
22.8	6000	11484	33.8	12885	1291	44.8	8145	10062	55.8	3944	12330
+23.0	+6205	+11374	+34.0	+12906	+1058	+45.0	+7963	-10207	+56.0	-4165	-12257
23.2	6409	11260	34.2	12922	826	45.2	7778	10348	56.2	4385	12180
23.4	6610	11143	34.4	12935	593	45.4	7590	10487	56.4	4604	12099
23.6	6809	11022	34.6	12944	360	45.6	7400	10622	56.6	4821	12014
23.8	7006	10898	34.8	12948	+127	45.8	7208	10753	56.8	5036	11925
+24.0	+7201	+10770	+35.0	+12948	-106	+46.0	+7013	-10881	+57.0	-5250	-11833

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+57.0	-5250	-11833	+68.0	-12774	-2103	+79.0	-8767	+9526	+90.0	+3153	+12557
57.2	5462	11736	68.2	12810	1873	79.2	8594	9682	90.2	3378	12498
57.4	5673	11636	68.4	12841	1642	79.4	8419	9835	90.4	3603	12435
57.6	5881	11532	68.6	12869	1410	79.6	8240	9985	90.6	3826	12368
57.8	6088	11424	68.8	12892	1178	79.8	8059	10132	90.8	4048	12297
+58.0	-6293	-11313	+69.0	-12911	-946	+80.0	-7876	+10275	+91.0	+4269	+12222
58.2	6495	11198	69.2	12926	714	80.2	7689	10415	91.2	4488	12144
58.4	6696	11079	69.4	12937	481	80.4	7501	10552	91.4	4706	12061
58.6	6894	10957	69.6	12944	248	80.6	7310	10685	91.6	4922	11974
58.8	7090	10831	69.8	12946	-15	80.8	7116	10815	91.8	5137	11884
+59.0	-7284	-10702	+70.0	-12944	+218	+81.0	-6920	+10942	+92.0	+5350	+11789
59.2	7475	10569	70.2	12938	451	81.2	6722	11064	92.2	5561	11691
59.4	7665	10433	70.4	12928	684	81.4	6522	11184	92.4	5771	11589
59.6	7851	10293	70.6	12914	916	81.6	6320	11299	92.6	5978	11483
59.8	8035	10150	70.8	12895	1149	81.8	6115	11411	92.8	6184	11374
+60.0	-8217	-10004	+71.0	-12872	+1381	+82.0	-5909	+11519	+93.0	+6388	+11261
60.2	8395	9854	71.2	12845	1612	82.2	5701	11624	93.2	6590	11144
60.4	8571	9702	71.4	12814	1843	82.4	5491	11724	93.4	6780	11024
60.6	8745	9546	71.6	12779	2073	82.6	5279	11821	93.6	6986	10900
60.8	8915	9387	71.8	12740	2303	82.8	5065	11914	93.8	7181	10772
+61.0	-9082	-9225	+72.0	-12696	+2532	+83.0	-4850	+12004	+94.0	+7374	+10641
61.2	9247	9060	72.2	12648	2760	83.2	4633	12089	94.2	7564	10507
61.4	9409	8892	72.4	12597	2987	83.4	4415	12170	94.4	7752	10369
61.6	9567	8721	72.6	12541	3214	83.6	4195	12248	94.6	7938	10227
61.8	9723	8547	72.8	12481	3439	83.8	3974	12321	94.8	8120	10083
+62.0	-9875	-8371	+73.0	-12417	+3663	+84.0	-3751	+12391	+95.0	+8301	+9935
62.2	10024	8192	73.2	12349	3886	84.2	3528	12457	95.2	8478	9784
62.4	10170	8010	73.4	12277	4107	84.4	3303	12518	95.4	8653	9630
62.6	10312	7826	73.6	12201	4328	84.6	3077	12575	95.6	8825	9473
62.8	10452	7639	73.8	12122	4547	84.8	2850	12629	95.8	8994	9312
+63.0	-10587	-7450	+74.0	-12038	+4764	+85.0	-2623	+12678	+96.0	+9160	+9149
63.2	10720	7258	74.2	11950	4980	85.2	2394	12723	96.2	9323	8983
63.4	10849	7064	74.4	11859	5194	85.4	2164	12764	96.4	9483	8813
63.6	10974	6867	74.6	11763	5407	85.6	1934	12801	96.6	9640	8641
63.8	11096	6669	74.8	11664	5618	85.8	1704	12834	96.8	9794	8466
+64.0	-11214	-6468	+75.0	-11561	+5827	+86.0	-1472	+12862	+97.0	+9945	+8289
64.2	11329	6265	75.2	11454	6034	86.2	1241	12887	97.2	10093	8108
64.4	11440	6060	75.4	11344	6239	86.4	1009	12907	97.4	10237	7925
64.6	11547	5853	75.6	11230	6442	86.6	776	12923	97.6	10378	7740
64.8	11650	5644	75.8	11112	6643	86.8	543	12935	97.8	10516	7552
+65.0	-11750	-5434	+76.0	-10990	+6842	+87.0	-310	+12943	+98.0	+10650	+7361
65.2	11846	5221	76.2	10865	7039	87.2	-77	12946	98.2	10781	7168
65.4	11938	5007	76.4	10737	7233	87.4	+156	12945	98.4	10908	6973
65.6	12026	4792	76.6	10605	7426	87.6	389	12941	98.6	11032	6776
65.8	12111	4574	76.8	10470	7615	87.8	621	12931	98.8	11152	6576
+66.0	-12191	-4356	+77.0	-10331	+7802	+88.0	+854	+12918	+99.0	+11268	+6374
66.2	12267	4136	77.2	10189	7987	88.2	1086	12901	99.2	11381	6170
66.4	12340	3914	77.4	10044	8169	88.4	1318	12879	99.4	11491	5964
66.6	12408	3691	77.6	9895	8349	88.6	1550	12853	99.6	11596	5757
66.8	12473	3467	77.8	9743	8525	88.8	1781	12823	99.8	11698	5547
+67.0	-12533	-3242	+78.0	-9588	+8699	+89.0	+2012	+12789	+100.0	+11796	+5336
67.2	12590	3016	78.2	9430	8871	89.2	2242	12751			
67.4	12642	2789	78.4	9269	9039	89.4	2471	12708			
67.6	12690	2561	78.6	9105	9204	89.6	2699	12662			
67.8	12734	2332	78.8	8937	9367	89.8	2926	12611			
+68.0	-12774	-2103	+79.0	-8767	+9526	+90.0	+3153	+12557			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.0	-123	+57	-1.5	-741	+220	+4.0	-1935	+953
95	0	0	6.9	126	58	1.4	768	227	4.1	1938	971
90	0	0	6.8	129	59	1.3	795	234	4.2	1940	988
85	0	0	6.7	133	61	1.2	823	241	4.3	1941	1006
80	0	0	6.6	137	62	1.1	852	249	4.4	1942	1023
-75	0	0	-6.5	-141	+63	-1.0	-881	+257	+4.5	-1942	+1041
70	0	+1	6.4	145	64	0.9	911	265	4.6	1941	1058
65	0	1	6.3	149	66	0.8	941	273	4.7	1941	1076
60	0	1	6.2	153	67	0.7	972	282	4.8	1939	1093
55	0	1	6.1	157	68	0.6	1003	291	4.9	1938	1110
-50	-1	+1	-6.0	-162	+70	-0.5	-1035	+300	+5.0	-1935	+1128
45	1	2	5.9	167	71	0.4	1067	309	5.1	1933	1145
40	1	2	5.8	172	73	0.3	1099	319	5.2	1930	1163
35	2	3	5.7	177	74	0.2	1132	329	5.3	1926	1180
30	4	4	5.6	182	76	-0.1	1164	339	5.4	1922	1197
-25.0	-6	+6	-5.5	-188	+78	0.0	-1197	+350	+5.5	-1918	+1215
24.5	6	7	5.4	194	79	+0.1	1229	361	5.6	1913	1232
24.0	7	7	5.3	200	81	0.2	1261	372	5.7	1908	1249
23.5	7	7	5.2	206	83	0.3	1293	384	5.8	1903	1266
23.0	8	7	5.1	213	85	0.4	1325	396	5.9	1897	1283
-22.5	-8	+8	-5.0	-220	+87	+0.5	-1356	+408	+6.0	-1891	+1300
22.0	9	8	4.9	227	89	0.6	1386	420	6.1	1884	1317
21.5	9	9	4.8	234	91	0.7	1416	432	6.2	1877	1334
21.0	10	9	4.7	242	93	0.8	1446	445	6.3	1870	1351
20.5	10	9	4.6	250	95	0.9	1475	458	6.4	1863	1368
-20.0	-11	+10	-4.5	-258	+98	+1.0	-1503	+472	+6.5	-1855	+1385
19.5	12	10	4.4	267	100	1.1	1530	485	6.6	1847	1401
19.0	12	11	4.3	275	102	1.2	1556	499	6.7	1838	1418
18.5	13	12	4.2	285	105	1.3	1582	514	6.8	1830	1434
18.0	14	12	4.1	295	107	1.4	1607	528	6.9	1821	1451
-17.5	-16	+13	-4.0	-305	+110	+1.5	-1630	+542	+7.0	-1811	+1467
17.0	17	14	3.9	315	113	1.6	1653	557	7.1	1802	1483
16.5	18	14	3.8	326	116	1.7	1675	572	7.2	1792	1500
16.0	20	15	3.7	338	119	1.8	1696	587	7.3	1782	1516
15.5	21	16	3.6	350	122	1.9	1716	603	7.4	1772	1532
-15.0	-23	+17	-3.5	-362	+125	+2.0	-1735	+618	+7.5	-1761	+1548
14.5	25	18	3.4	375	128	2.1	1753	634	7.6	1750	1563
14.0	27	19	3.3	388	132	2.2	1770	650	7.7	1739	1579
13.5	30	21	3.2	402	135	2.3	1786	666	7.8	1728	1595
13.0	33	22	3.1	417	139	2.4	1802	682	7.9	1717	1610
-12.5	-36	+24	-3.0	-432	+143	+2.5	-1816	+698	+8.0	-1705	+1626
12.0	39	25	2.9	447	147	2.6	1829	715	8.1	1693	1641
11.5	43	27	2.8	464	151	2.7	1842	731	8.2	1681	1656
11.0	48	29	2.7	481	155	2.8	1854	748	8.3	1668	1671
10.5	53	31	2.6	499	160	2.9	1865	765	8.4	1656	1686
-10.0	-59	+34	-2.5	-517	+164	+3.0	-1875	+781	+8.5	-1643	+1701
9.5	66	37	2.4	536	169	3.1	1884	798	8.6	1630	1716
9.0	74	40	2.3	556	174	3.2	1893	815	8.7	1617	1730
8.5	84	43	2.2	576	179	3.3	1900	832	8.8	1603	1745
8.0	94	47	2.1	598	184	3.4	1907	849	8.9	1590	1759
-7.5	-107	+52	-2.0	-620	+190	+3.5	-1914	+867	+9.0	-1576	+1773
7.4	110	53	1.9	642	195	3.6	1919	884	9.1	1562	1788
7.3	113	54	1.8	666	201	3.7	1924	901	9.2	1548	1801
7.2	116	55	1.7	690	207	3.8	1928	919	9.3	1533	1815
7.1	119	56	1.6	715	214	3.9	1932	936	9.4	1519	1829
-7.0	-123	+57	-1.5	-741	+220	+4.0	-1935	+953	+9.5	-1504	+1843

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 4$$

t	R	I	t	R	I	t	R	I	t	R	I
+ 9.5	-1504	+1843	+35.0	+2395	- 17	+62.5	-1893	-1463	+ 90.0	+ 583	+2322
9.6	1489	1856	35.5	2392	125	63.0	1957	1376	90.5	687	2293
9.7	1474	1869	36.0	2384	232	63.5	2017	1287	91.0	789	2260
9.8	1459	1883	36.5	2371	339	64.0	2073	1195	91.5	890	2222
9.9	1444	1896	37.0	2353	446	64.5	2125	1101	92.0	989	2180
+10.0	-1429	+1909	+37.5	+2330	- 551	+65.0	-2172	-1004	+ 92.5	+1086	+2133
10.5	1349	1971	38.0	2303	655	65.5	2215	905	93.0	1181	2082
11.0	1265	2030	38.5	2271	758	66.0	2253	805	93.5	1273	2027
11.5	1179	2085	39.0	2234	859	66.5	2287	702	94.0	1363	1967
12.0	1089	2136	39.5	2193	959	67.0	2317	599	94.5	1450	1904
+12.5	- 996	+2183	+40.0	+2148	-1057	+67.5	-2341	- 494	+ 95.0	+1535	+1837
13.0	901	2226	40.5	2098	1152	68.0	2361	388	95.5	1616	1766
13.5	804	2264	41.0	2044	1246	68.5	2376	282	96.0	1693	1691
14.0	705	2298	41.5	1985	1336	69.0	2387	174	96.5	1768	1613
14.5	604	2327	42.0	1923	1424	69.5	2392	- 67	97.0	1839	1532
+15.0	- 501	+2352	+42.5	+1857	-1509	+70.0	-2393	+ 41	+ 97.5	+1906	+1448
15.5	397	2372	43.0	1787	1591	70.5	2389	148	98.0	1969	1361
16.0	293	2388	43.5	1714	1670	71.0	2379	256	98.5	2028	1271
16.5	187	2399	44.0	1637	1746	71.5	2366	362	99.0	2083	1178
17.0	- 81	2405	44.5	1556	1817	72.0	2347	469	99.5	2134	1084
+17.5	+ 26	+2406	+45.0	+1473	-1886	+72.5	-2324	+ 574	+100.0	+2181	+ 987
18.0	132	2403	45.5	1387	1950	73.0	2295	678			
18.5	239	2394	46.0	1297	2010	73.5	2263	780			
19.0	345	2381	46.5	1205	2067	74.0	2225	881			
19.5	450	2363	47.0	1111	2119	74.5	2183	980			
+20.0	+ 555	+2341	+47.5	+1015	-2167	+75.0	-2137	+1078			
20.5	658	2313	48.0	916	2210	75.5	2086	1173			
21.0	761	2281	48.5	815	2249	76.0	2032	1265			
21.5	862	2245	49.0	713	2283	76.5	1973	1355			
22.0	961	2204	49.5	610	2313	77.0	1910	1443			
+22.5	+1058	+2158	+50.0	+ 505	-2338	+77.5	-1843	+1527			
23.0	1153	2109	50.5	399	2359	78.0	1772	1608			
23.5	1246	2055	51.0	293	2374	78.5	1698	1687			
24.0	1337	1997	51.5	186	2385	79.0	1621	1761			
24.5	1424	1934	52.0	+ 78	2391	79.5	1540	1832			
+25.0	+1509	+1868	+52.5	- 30	-2392	+80.0	-1456	+1900			
25.5	1591	1799	53.0	137	2388	80.5	1369	1963			
26.0	1670	1725	53.5	245	2380	81.0	1279	2023			
26.5	1745	1648	54.0	352	2366	81.5	1187	2078			
27.0	1817	1568	54.5	458	2348	82.0	1092	2130			
+27.5	+1886	+1485	+55.0	- 563	-2325	+82.5	- 995	+2177			
28.0	1950	1399	55.5	667	2297	83.0	896	2219			
28.5	2010	1309	56.0	770	2265	83.5	796	2257			
29.0	2067	1218	56.5	871	2228	84.0	693	2291			
29.5	2119	1124	57.0	970	2187	84.5	590	2320			
+30.0	+2167	+1027	+57.5	-1068	-2141	+85.0	- 485	+2344			
30.5	2211	929	58.0	1163	2091	85.5	379	2363			
31.0	2250	828	58.5	1256	2036	86.0	272	2378			
31.5	2285	726	59.0	1346	1978	86.5	165	2388			
32.0	2315	623	59.5	1434	1915	87.0	- 57	2393			
+32.5	+2340	+ 518	+60.0	-1519	-1849	+87.5	+ 50	+2393			
33.0	2361	412	60.5	1600	1778	88.0	158	2388			
33.5	2377	305	61.0	1679	1705	88.5	265	2379			
34.0	2388	198	61.5	1754	1627	89.0	372	2365			
34.5	2394	+ 91	62.0	1825	1547	89.5	478	2345			
+35.0	+2395	- 17	+62.5	-1893	-1463	+90.0	+ 583	+2322			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 6$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	0.0	-465	+201	+25.0	+590	+730	+50.0	+197	-909	+75.0	-831	+419
95	0	0	+0.5	505	223	25.5	622	703	50.5	156	916	75.5	811	456
90	0	0	1.0	542	246	26.0	652	674	51.0	114	922	76.0	790	492
85	0	0	1.5	576	271	26.5	681	644	51.5	73	927	76.5	767	527
80	0	0	2.0	606	298	27.0	709	613	52.0	+31	929	77.0	742	561
-75	0	+1	+2.5	-631	+326	+27.5	+736	+580	+52.5	-11	-929	+77.5	-716	+594
70	0	1	3.0	652	354	28.0	761	547	53.0	53	928	78.0	689	626
65	0	1	3.5	668	384	28.5	784	512	53.5	95	925	78.5	660	656
60	0	1	4.0	679	415	29.0	806	476	54.0	136	919	79.0	630	685
55	-1	1	4.5	685	445	29.5	826	439	54.5	178	912	79.5	599	713
-50	-1	+1	+5.0	-687	+476	+30.0	+845	+402	+55.0	-219	-903	+80.0	-566	+739
45	1	2	5.5	685	507	30.5	862	363	55.5	259	893	80.5	532	764
40	1	2	6.0	679	538	31.0	877	324	56.0	299	880	81.0	497	787
35	2	3	6.5	670	568	31.5	890	285	56.5	338	866	81.5	461	808
30	3	4	7.0	658	598	32.0	902	244	57.0	377	850	82.0	425	828
-25	-6	+6	+7.5	-642	+627	+32.5	+911	+203	+57.5	-415	-832	+82.5	-387	+847
24	6	7	8.0	624	656	33.0	919	162	58.0	452	812	83.0	348	863
23	7	7	8.5	603	683	33.5	925	121	58.5	488	791	83.5	309	878
22	8	8	9.0	580	710	34.0	930	79	59.0	523	768	84.0	270	891
21	9	9	9.5	555	736	34.5	932	+37	59.5	557	744	84.5	229	902
-20	-10	+10	+10.0	-528	+760	+35.0	+933	-5	+60.0	-590	-718	+85.0	-189	+912
19	12	11	10.5	500	783	35.5	931	47	60.5	622	691	85.5	147	919
18	13	12	11.0	469	805	36.0	928	89	61.0	653	662	86.0	106	925
17	16	13	11.5	437	825	36.5	923	130	61.5	682	632	86.5	64	929
16	18	15	12.0	404	844	37.0	916	172	62.0	709	601	87.0	-22	931
-15	-21	+16	+12.5	-370	+862	+37.5	+907	-213	+62.5	-736	-569	+87.5	+20	+931
14	25	18	13.0	334	877	38.0	896	253	63.0	761	535	88.0	61	929
13	29	21	13.5	297	892	38.5	884	294	63.5	784	500	88.5	103	925
12	35	24	14.0	260	904	39.0	870	333	64.0	806	464	89.0	145	920
11	42	27	14.5	222	915	39.5	854	372	64.5	826	428	89.5	186	912
-10.0	-50	+31	+15.0	-183	+924	+40.0	+836	-410	+65.0	-844	-390	+90.0	+227	+903
9.5	55	33	15.5	143	932	40.5	816	447	65.5	861	352	90.5	267	892
9.0	61	36	16.0	103	937	41.0	795	483	66.0	876	313	91.0	307	879
8.5	68	39	16.5	63	941	41.5	773	518	66.5	889	273	91.5	346	864
8.0	76	42	17.0	-22	943	42.0	748	553	67.0	901	233	92.0	385	848
-7.5	-85	+46	+17.5	+18	+943	+42.5	+723	-586	+67.5	-910	-192	+92.5	+422	+829
7.0	94	50	18.0	59	941	43.0	695	618	68.0	918	151	93.0	459	810
6.5	106	54	18.5	100	937	43.5	667	648	68.5	924	109	93.5	495	788
6.0	119	59	19.0	141	932	44.0	637	678	69.0	928	67	94.0	530	765
5.5	134	65	19.5	181	925	44.5	606	706	69.5	930	-26	94.5	564	741
-5.0	-151	+71	+20.0	+222	+916	+45.0	+573	-732	+70.0	-930	+16	+95.0	+597	+714
4.5	170	79	20.5	262	905	45.5	540	757	70.5	928	58	95.5	628	687
4.0	192	87	21.0	301	892	46.0	505	781	71.0	925	100	96.0	659	658
3.5	217	96	21.5	340	878	46.5	469	803	71.5	920	141	96.5	687	628
3.0	245	106	22.0	378	862	47.0	432	823	72.0	912	183	97.0	715	596
-2.5	-276	+118	+22.5	+416	+844	+47.5	+395	-842	+72.5	-903	+223	+97.5	+741	+563
2.0	310	131	23.0	453	824	48.0	357	858	73.0	892	264	98.0	766	529
1.5	346	146	23.5	489	803	48.5	318	874	73.5	880	304	98.5	789	494
1.0	385	162	24.0	523	780	49.0	278	887	74.0	865	343	99.0	810	458
-0.5	425	181	24.5	557	756	49.5	238	899	74.5	849	381	99.5	830	421
0.0	-465	+201	+25.0	+590	+730	+50.0	+197	-909	+75.0	-831	+419	+100.0	+848	+384

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 8$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 5.0	-315	+259	+ 50	+ 98	-452
95	0	0	5.5	315	274	51	57	459
90	0	0	6.0	313	288	52	+ 16	462
85	0	0	6.5	309	302	53	- 26	461
80	0	0	7.0	304	315	54	68	457
- 75	0	0	+ 7.5	-298	+329	+ 55	-109	-449
70	0	+ 1	8.0	290	342	56	149	438
65	0	1	8.5	281	355	57	187	423
60	0	1	9.0	271	367	58	225	404
55	0	1	9.5	259	379	59	260	382
- 50	- 1	+ 1	+10	-247	+391	+ 60	-294	-357
45	1	2	11	220	412	61	325	329
40	1	2	12	189	430	62	353	299
35	2	3	13	156	446	63	378	266
30	3	4	14	120	458	64	401	231
- 25	- 5	+ 6	+15	- 83	+467	+ 65	-420	-194
24	6	6	16	44	473	66	436	155
23	7	7	17	- 5	475	67	448	115
22	7	7	18	+ 35	474	68	457	75
21	8	8	19	75	469	69	462	- 33
- 20	- 10	+ 9	+20	+115	+460	+ 70	-463	+ 8
19	11	10	21	154	448	71	460	50
18	12	11	22	192	433	72	454	91
17	14	12	23	228	414	73	444	132
16	16	14	24	263	392	74	431	171
- 15	- 19	+ 15	+25	+296	+366	+ 75	-414	+209
14	22	17	26	327	338	76	393	245
13	25	19	27	355	308	77	370	280
12	30	22	28	381	274	78	343	312
11	35	24	29	403	239	79	314	341
- 10	- 41	+ 28	+30	+422	+202	+ 80	-282	+368
9	49	32	31	438	163	81	248	392
8	59	37	32	450	123	82	211	412
7	70	42	33	459	82	83	173	430
6	85	49	34	464	+ 41	84	134	444
- 5	-102	+ 58	+35	+465	- 1	+ 85	- 94	+454
4	123	68	36	463	43	86	53	461
3	147	80	37	457	84	87	- 11	463
2	174	94	38	447	125	88	+ 31	463
- 1	203	111	39	434	165	89	72	458
0.0	-232	+131	+40	+417	-203	+ 90	+113	+450
+ 0.5	246	142	41	397	240	91	153	438
1.0	259	153	42	373	274	92	192	422
1.5	271	165	43	347	307	93	229	403
2.0	282	177	44	317	337	94	264	381
+ 2.5	-292	+190	+45	+286	-364	+ 95	+297	+356
3.0	300	204	46	252	388	96	328	328
3.5	306	217	47	216	409	97	356	297
4.0	311	231	48	178	427	98	381	264
4.5	314	245	49	139	441	99	403	228
+ 5.0	-315	+259	+50	+ 98	-452	+100	+422	+191

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 10$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
-100	0	0	+10	-130	+229	+60	-166	-202
95	0	0	11	115	241	61	183	186
90	0	0	12	99	250	62	199	169
85	0	0	13	81	258	63	214	150
80	0	0	14	62	265	64	226	130
-75	0	0	+15	-41	+269	+65	-237	-109
70	0	0	16	-20	272	66	246	88
65	0	+1	17	+2	273	67	253	65
60	0	1	18	24	272	68	258	42
55	-1	1	19	46	269	69	261	-19
-50	-1	+1	+20	+68	+264	+70	-262	+5
45	1	2	21	90	256	71	260	28
40	1	2	22	111	247	72	257	52
35	2	3	23	131	236	73	251	74
30	3	4	24	151	224	74	243	97
-25	-5	+6	+25	+169	+209	+75	-234	+118
24	6	6	26	186	193	76	222	139
23	6	7	27	202	176	77	209	158
22	7	7	28	216	157	78	194	176
21	8	8	29	229	137	79	177	193
-20	-9	+9	+30	+240	+116	+80	-159	+208
19	10	10	31	248	94	81	140	222
18	11	10	32	255	71	82	119	233
17	12	12	33	260	48	83	98	243
16	14	13	34	263	24	84	76	251
-15	-16	+14	+35	+264	+1	+85	-53	+257
14	19	16	36	262	-23	86	30	260
13	21	17	37	259	47	87	-6	262
12	25	19	38	253	70	88	+17	261
11	28	22	39	246	92	89	41	259
-10	-33	+24	+40	+236	-114	+90	+64	+254
9	38	28	41	225	135	91	86	247
8	44	31	42	211	154	92	108	239
7	52	36	43	197	172	93	129	228
6	60	41	44	180	189	94	149	215
-5	-70	+47	+45	+162	-205	+95	+168	+201
4	81	53	46	143	219	96	185	185
3	93	61	47	122	230	97	201	168
2	105	70	48	101	240	98	215	149
-1	118	80	49	79	249	99	228	129
0	-131	+91	+50	+56	-255	+100	+239	+108
1	142	104	51	33	259			
2	152	117	52	+9	260			
3	160	131	53	-15	260			
4	164	145	54	38	258			
+5	-166	+160	+55	-61	-253			
6	164	175	56	84	247			
7	160	190	57	106	238			
8	153	204	58	127	228			
9	142	217	59	147	216			
+10	-130	+229	+60	-166	-202			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 12$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-73	+147	+60	-101	-123
95	0	0	11	65	153	61	112	113
90	0	0	12	55	158	62	121	103
85	0	0	13	45	163	63	130	91
80	0	+1	14	33	166	64	138	79
-75	0	+1	+15	-21	+169	+65	-145	-66
70	0	1	16	-9	170	66	150	53
65	0	1	17	+4	170	67	154	39
60	0	1	18	17	169	68	157	25
55	-1	1	19	31	167	69	159	-11
-50	-1	+1	+20	+44	+164	+70	-160	+3
45	1	1	21	57	159	71	159	18
40	1	2	22	70	154	72	156	32
35	2	3	23	82	147	73	153	46
30	3	4	24	94	139	74	148	59
-25	-5	+6	+25	+105	+130	+75	-143	+72
24	5	6	26	115	120	76	135	85
23	6	6	27	125	109	77	127	97
22	7	7	28	133	97	78	118	108
21	7	8	29	141	85	79	108	118
-20	-8	+8	+30	+147	+72	+80	-97	+127
19	9	9	31	153	59	81	85	135
18	10	10	32	157	45	82	73	143
17	11	11	33	160	30	83	60	148
16	12	12	34	161	16	84	46	153
-15	-14	+13	+35	+162	+1	+85	-32	+157
14	16	14	36	161	-13	86	18	159
13	18	16	37	159	28	87	-4	160
12	20	17	38	155	42	88	+11	160
11	23	19	39	150	55	89	25	158
-10	-26	+21	+40	+145	-69	+90	+39	+155
9	29	24	41	138	82	91	53	151
8	34	27	42	129	94	92	66	146
7	38	30	43	120	105	93	79	139
6	43	34	44	110	115	94	91	132
-5	-49	+38	+45	+99	-125	+95	+103	+123
4	55	42	46	87	133	96	113	113
3	61	48	47	75	140	97	123	103
2	67	53	48	62	146	98	132	91
-1	74	60	49	48	151	99	139	79
0	-80	+67	+50	+35	-155	+100	+146	+66
+1	85	74	51	20	157			
2	90	82	52	+6	159			
3	93	90	53	-9	158			
4	95	99	54	23	157			
+5	-95	+107	+55	-37	-154			
6	94	116	56	51	150			
7	91	124	57	64	145			
8	87	132	58	77	139			
9	81	140	59	89	131			
+10	-73	+147	+60	-101	-123			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 14$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-44	+99	+60	-65	-79
95	0	0	11	38	103	61	72	73
90	0	0	12	32	106	62	78	66
85	0	0	13	26	108	63	84	59
80	0	0	14	18	110	64	89	51
-75	0	+1	+15	-11	+112	+65	-93	-43
70	0	1	16	-3	112	66	96	34
65	0	1	17	+5	112	67	99	25
60	0	1	18	13	111	68	101	16
55	-1	1	19	22	110	69	102	-7
-50	-1	+1	+20	+30	+108	+70	-103	+2
45	1	1	21	38	104	71	102	11
40	1	2	22	46	101	72	101	21
35	2	3	23	54	96	73	98	29
30	3	4	24	62	91	74	95	38
-25	-4	+5	+25	+69	+85	+75	-92	+47
24	4	5	26	75	78	76	87	55
23	5	6	27	81	71	77	82	62
22	5	6	28	87	64	78	76	69
21	6	7	29	91	56	79	69	76
-20	-7	+8	+30	+96	+47	+80	-62	+82
19	7	8	31	99	39	81	55	87
18	8	9	32	102	30	82	47	92
17	9	10	33	103	20	83	38	96
16	10	11	34	104	11	84	30	99
-15	-12	+12	+35	+105	+2	+85	-21	+101
14	13	13	36	104	-8	86	12	102
13	14	14	37	102	17	87	-2	103
12	16	15	38	100	26	88	+7	103
11	18	17	39	97	35	89	16	102
-10	-20	+19	+40	+93	-44	+90	+25	+100
9	23	21	41	89	52	91	34	97
8	25	23	42	84	59	92	43	94
7	28	25	43	78	67	93	51	90
6	31	28	44	71	73	94	59	85
-5	-35	+31	+45	+64	-80	+95	+66	+79
4	38	34	46	57	85	96	73	73
3	42	38	47	49	90	97	79	66
2	45	42	48	40	94	98	85	59
-1	48	46	49	31	97	99	89	51
0	-51	+50	+50	+22	-99	+100	+94	+43
+1	54	55	51	13	101			
2	56	60	52	+4	102			
3	57	65	53	-5	101			
4	58	70	54	15	101			
+5	-58	+75	+55	-24	-99			
6	57	81	56	33	96			
7	55	86	57	41	93			
8	52	90	58	50	89			
9	48	95	59	57	84			
+10	-44	+99	+60	-65	-79			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 16$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-27	+70	+60	-43	-52
95	0	0	11	23	72	61	48	48
90	0	0	12	19	74	62	52	44
85	0	0	13	15	75	63	56	39
80	0	0	14	10	76	64	59	34
-75	0	0	+15	-5	+77	+65	-62	-28
70	0	+1	16	0	77	66	64	23
65	0	1	17	+5	77	67	66	17
60	0	1	18	11	77	68	67	11
55	-1	1	19	16	75	69	68	-4
-50	-1	+1	+20	+22	+74	+70	-69	+2
45	1	2	21	27	72	71	68	8
40	1	2	22	32	69	72	67	14
35	2	3	23	37	66	73	66	20
30	2	3	24	42	62	74	64	26
-25	-4	+5	+25	+47	+58	+75	-61	+31
24	4	5	26	51	54	76	58	37
23	4	6	27	55	49	77	55	42
22	5	6	28	59	44	78	51	46
21	5	7	29	62	38	79	46	51
-20	-6	+7	+30	+64	+33	+80	-42	+55
19	7	8	31	67	27	81	37	58
18	7	8	32	68	21	82	31	61
17	8	9	33	69	15	83	26	64
16	9	10	34	70	8	84	20	66
-15	-10	+10	+35	+70	+2	+85	-14	+67
14	11	11	36	70	-4	86	8	68
13	12	12	37	69	11	87	-2	69
12	13	13	38	67	17	88	+5	69
11	14	15	39	65	23	89	11	68
-10	-16	+16	+40	+63	-28	+90	+17	+67
9	18	18	41	60	34	91	23	65
8	19	19	42	56	39	92	28	63
7	21	21	43	52	44	93	34	60
6	23	23	44	48	48	94	39	56
-5	-25	+25	+45	+43	-53	+95	+44	+53
4	27	27	46	38	56	96	48	49
3	29	30	47	32	59	97	53	44
2	31	33	48	27	62	98	56	39
-1	33	36	49	21	64	99	60	34
0	-34	+39	+50	+15	-66	+100	+63	+29
+1	36	42	51	9	67			
2	36	45	52	+3	67			
3	37	48	53	-3	67			
4	37	52	54	10	67			
+5	-37	+55	+55	-16	-66			
6	36	58	56	22	64			
7	34	61	57	27	62			
8	32	64	58	33	59			
9	30	67	59	38	56			
+10	-27	+70	+60	-43	-52			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 18$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-17	+51	+60	-30	-36
95	0	0	11	14	52	61	33	33
90	0	0	12	12	53	62	36	30
85	0	0	13	9	54	63	38	27
80	0	0	14	6	55	64	40	23
-75	0	0	+15	-2	+55	+65	-43	-19
70	0	+1	16	+1	55	66	44	15
65	0	1	17	5	55	67	45	11
60	0	1	18	8	54	68	46	7
55	-1	1	19	12	53	69	47	-3
-50	-1	+1	+20	+16	+52	+70	-47	+1
45	1	1	21	19	50	71	47	6
40	1	2	22	23	49	72	46	10
35	1	2	23	27	46	73	45	14
30	2	3	24	30	44	74	44	18
-25	-3	+4	+25	+33	+41	+75	-42	+22
24	4	5	26	36	38	76	40	25
23	4	5	27	39	35	77	37	29
22	4	5	28	41	31	78	35	32
21	5	6	29	43	27	79	32	35
-20	-5	+6	+30	+45	+23	+80	-29	+38
19	6	7	31	46	19	81	25	40
18	6	7	32	47	15	82	21	42
17	7	8	33	48	11	83	18	44
16	7	9	34	49	6	84	14	45
-15	-8	+10	+35	+49	+2	+85	-10	+46
14	9	10	36	48	-2	86	5	47
13	10	11	37	48	7	87	-1	47
12	11	12	38	46	11	88	+3	47
11	12	13	39	45	15	89	7	47
-10	-13	+14	+40	+43	-19	+90	+12	+46
9	14	15	41	41	23	91	16	45
8	15	16	42	39	26	92	20	43
7	16	18	43	36	30	93	23	41
6	17	19	44	33	33	94	27	39
-5	-18	+21	+45	+30	-36	+95	+30	+36
4	20	23	46	26	38	96	33	33
3	21	24	47	23	40	97	36	30
2	22	26	48	19	42	98	39	27
-1	23	28	49	15	44	99	41	23
0	-24	+30	+50	+10	-45	+100	+43	+20
+1	24	32	51	6	46			
2	24	35	52	+2	46			
3	25	37	53	-2	46			
4	24	39	54	7	46			
+5	-24	+41	+55	-11	-45			
6	23	43	56	15	44			
7	22	45	57	19	42			
8	21	47	58	22	40			
9	19	49	59	26	38			
+10	-17	+51	+60	-30	-36			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.09$$

$$n = 20$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+10	-11	+38	+60	-21	-25
95	0	0	11	9	39	61	23	23
90	0	0	12	7	39	62	25	21
85	0	0	13	5	40	63	27	18
80	0	0	14	3	40	64	28	16
-75	0	0	+15	-1	+40	+65	-30	-13
70	0	+1	16	+2	40	66	31	11
65	0	1	17	4	40	67	32	8
60	0	1	18	7	40	68	32	5
55	0	1	19	9	39	69	33	-2
-50	-1	+1	+20	+12	+38	+70	-33	+1
45	1	1	21	15	37	71	33	4
40	1	2	22	17	36	72	32	7
35	2	2	23	19	34	73	31	10
30	2	3	24	22	32	74	31	13
-25	-3	+4	+25	+24	+30	+75	-29	+15
24	3	4	26	26	28	76	28	18
23	4	5	27	28	25	77	26	20
22	4	5	28	29	23	78	24	23
21	4	5	29	31	20	79	22	25
-20	-5	+6	+30	+32	+17	+80	-20	+27
19	5	6	31	33	14	81	18	28
18	5	7	32	34	11	82	15	30
17	6	7	33	34	8	83	12	31
16	6	7	34	35	5	84	9	32
-15	-7	+8	+35	+35	+2	+85	-7	+33
14	7	9	36	34	-1	86	4	33
13	8	9	37	34	4	87	-1	33
12	8	10	38	33	7	88	+2	33
11	9	11	39	32	10	89	5	33
-10	-10	+12	+40	+31	-13	+90	+8	+32
9	11	13	41	29	16	91	11	31
8	11	14	42	27	18	92	14	30
7	12	15	43	26	21	93	16	29
6	13	16	44	23	23	94	19	27
-5	-14	+17	+45	+21	-25	+95	+21	+26
4	14	18	46	19	26	96	23	24
3	15	20	47	16	28	97	25	21
2	16	21	48	13	29	98	27	19
-1	16	23	49	10	30	99	29	17
0	-17	+24	+50	+7	-31	+100	+30	+14
+1	17	26	51	4	32			
2	17	27	52	+1	32			
3	17	29	53	-2	32			
4	17	30	54	4	32			
+5	-16	+32	+55	-7	-31			
6	16	33	56	10	30			
7	15	34	57	13	29			
8	14	36	58	16	28			
9	12	37	59	18	27			
+10	-11	+38	+60	-21	-25			

t	$n = 22$		$n = 24$		$n = 26$		$n = 28$		$n = 30$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
-75	0	0	0	0	0	0	0	0	0	0
70	0	+1	0	0	0	0	0	0	0	0
65	0	1	0	+1	0	0	0	+1	0	+1
60	0	1	0	1	0	+1	0	1	0	1
55	0	1	0	1	0	1	0	1	0	1
-50	0	+1	-1	+1	-1	+1	0	+1	-1	+1
45	-1	1	1	1	1	1	-1	1	1	1
40	1	2	1	2	1	2	1	1	1	1
35	1	2	1	2	1	2	1	2	1	2
30	2	3	2	3	1	3	1	2	1	2
-25	-3	+4	-2	+4	-2	+3	-2	+3	-2	+3
20	4	5	3	5	3	4	2	4	2	4
15	6	7	5	7	4	6	3	5	3	5
10	8	10	6	9	5	8	4	7	3	6
-5	10	15	8	12	6	10	5	9	4	7
0	-12	+19	-9	+16	-6	+13	-5	+11	-3	+9
+5	11	25	8	20	5	16	4	13	3	10
10	-7	29	-5	22	-3	18	-2	14	-1	11
15	0	30	+1	23	+1	18	+1	14	+1	11
20	+9	28	7	22	6	17	5	13	4	10
+25	+17	+22	+13	+17	+10	+13	+8	+10	+6	+8
30	23	13	17	10	13	8	10	6	7	5
35	25	+2	18	+2	14	+2	10	+2	8	+2
40	22	-9	16	-6	12	-4	9	-3	7	-2
45	15	17	11	12	8	9	6	6	5	4
+50	+5	-22	+4	-16	+3	-11	+2	-8	+2	-6
55	-5	22	-4	16	-3	12	-2	8	-1	6
60	15	18	11	13	8	9	6	7	4	5
65	21	-9	15	-7	11	-5	8	-3	6	-2
70	23	+1	17	+1	12	+1	9	+1	7	+1
+75	-21	+11	-15	+8	-11	+6	-8	+5	-6	+3
80	14	19	10	14	8	10	6	8	4	6
85	-5	23	-3	17	-3	13	-2	9	-1	7
90	+6	23	+4	17	+3	13	+2	9	+2	7
95	15	18	11	13	8	10	6	7	4	6
+100	+22	+10	+16	+7	+12	+5	+9	+4	+6	+3

t	$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-100	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
70	0	0	0	+1	0	0	0	+1	0	0
60	0	+1	0	1	0	+1	0	1	0	0
-50	0	+1	0	+1	0	+1	0	+1	0	+1
40	-1	1	-1	1	-1	1	0	1	0	1
30	1	2	1	2	1	2	-1	1	-1	2
20	2	3	2	3	1	3	1	2	1	2
-10	3	5	2	5	2	4	1	4	1	3
0	-3	+8	-2	+7	-1	+5	-1	+5	-1	+4
+10	-1	9	0	8	0	6	0	6	0	5
20	+3	9	+2	7	+2	6	+2	5	+1	4
30	6	+4	5	+4	4	+3	3	+3	2	+2
40	5	-1	4	-1	3	0	3	0	2	0
+50	+1	-4	+1	-3	+1	-2	+1	-2	+1	-1
60	-3	-4	-3	-2	-2	-2	-1	-1	-1	-1
70	5	0	4	+1	3	0	2	+1	2	0
80	-3	+5	-2	3	-2	+3	-1	2	-1	+2
90	+1	5	+1	4	+1	3	+1	3	+1	2
+100	+5	+2	+4	+2	+3	+1	+2	+1	+2	+1

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-7.00	-144	+73	-4.00	-516	+173	-2.20	-1814	+384
95	0	0	6.95	146	74	3.95	530	176	2.19	1831	386
90	0	0	6.90	148	75	3.90	545	179	2.18	1848	388
85	0	0	6.85	151	76	3.85	561	182	2.17	1865	391
80	0	0	6.80	154	77	3.80	577	186	2.16	1882	393
-75	0	0	-6.75	-156	+78	-3.75	-594	+189	-2.15	-1900	+395
70	0	+1	6.70	159	78	3.70	611	193	2.14	1918	397
65	0	1	6.65	162	79	3.65	629	197	2.13	1936	400
60	0	1	6.60	165	80	3.60	648	201	2.12	1954	402
55	0	1	6.55	168	81	3.55	668	204	2.11	1973	404
-50	0	+1	-6.50	-171	+82	-3.50	-689	+209	-2.10	-1992	+407
45	-1	1	6.45	174	83	3.45	710	213	2.09	2011	409
40	1	2	6.40	177	84	3.40	733	217	2.08	2030	412
35	1	3	6.35	181	85	3.35	757	221	2.07	2050	414
30	3	4	6.30	184	87	3.30	781	226	2.06	2070	417
-25.0	-4	+6	-6.25	-188	+88	-3.25	-807	+231	-2.05	-2090	+419
24.5	5	6	6.20	191	89	3.20	834	236	2.04	2111	422
24.0	5	7	6.15	195	90	3.15	863	241	2.03	2131	424
23.5	5	7	6.10	199	91	3.10	893	246	2.02	2153	427
23.0	6	7	6.05	203	92	3.05	924	252	2.01	2174	429
-22.5	-6	+8	-6.00	-207	+94	-3.00	-957	+257	-2.00	-2196	+432
22.0	7	8	5.95	211	95	2.95	991	263	1.99	2218	435
21.5	7	8	5.90	215	96	2.90	1027	269	1.98	2240	437
21.0	8	9	5.85	219	97	2.85	1065	275	1.97	2263	440
20.5	8	9	5.80	223	99	2.80	1105	282	1.96	2286	443
-20.0	-9	+10	-5.75	-228	+100	-2.75	-1148	+289	-1.95	-2309	+446
19.5	9	10	5.70	233	102	2.70	1192	296	1.94	2332	448
19.0	10	11	5.65	237	103	2.65	1239	303	1.93	2356	451
18.5	11	12	5.60	242	104	2.60	1289	310	1.92	2381	454
18.0	12	12	5.55	247	106	2.55	1342	318	1.91	2405	457
-17.5	-13	+13	-5.50	-253	+107	-2.50	-1398	+327	-1.90	-2431	+460
17.0	15	14	5.45	258	109	2.49	1410	328	1.89	2456	463
16.5	16	15	5.40	263	110	2.48	1421	330	1.88	2482	466
16.0	17	16	5.35	269	112	2.47	1433	332	1.87	2508	469
15.5	19	17	5.30	275	114	2.46	1445	334	1.86	2535	472
-15.0	-20	+18	-5.25	-281	+115	-2.45	-1457	+335	-1.85	-2562	+475
14.5	23	20	5.20	287	117	2.44	1470	337	1.84	2589	478
14.0	25	21	5.15	293	119	2.43	1482	339	1.83	2617	481
13.5	27	22	5.10	300	121	2.42	1495	341	1.82	2645	484
13.0	30	24	5.05	307	122	2.41	1507	342	1.81	2674	487
-12.5	-33	+26	-5.00	-314	+124	-2.40	-1520	+344	-1.80	-2703	+490
12.0	37	28	4.95	321	126	2.39	1533	346	1.79	2733	494
11.5	42	30	4.90	328	128	2.38	1546	348	1.78	2763	497
11.0	46	33	4.85	336	130	2.37	1560	350	1.77	2793	500
10.5	53	36	4.80	344	132	2.36	1573	352	1.76	2824	504
-10.0	-60	+39	-4.75	-352	+134	-2.35	-1587	+353	-1.75	-2856	+507
9.5	68	43	4.70	361	136	2.34	1600	355	1.74	2888	511
9.0	78	48	4.65	370	139	2.33	1614	357	1.73	2920	514
8.5	90	53	4.60	379	141	2.32	1629	359	1.72	2954	518
8.0	104	58	4.55	388	143	2.31	1643	361	1.71	2987	521
-7.50	-122	+65	-4.50	-398	+146	-2.30	-1658	+363	-1.70	-3021	+525
7.45	123	66	4.45	408	148	2.29	1672	365	1.69	3056	528
7.40	126	66	4.40	418	150	2.28	1687	367	1.68	3091	532
7.35	128	67	4.35	429	153	2.27	1702	369	1.67	3127	536
7.30	130	68	4.30	440	155	2.26	1718	371	1.66	3164	540
-7.25	-132	+69	-4.25	-452	+158	-2.25	-1733	+373	-1.65	-3201	+543
7.20	134	70	4.20	464	161	2.24	1749	375	1.64	3239	547
7.15	136	71	4.15	476	164	2.23	1765	378	1.63	3277	551
7.10	139	71	4.10	489	166	2.22	1781	380	1.62	3316	555
7.05	141	72	4.05	502	169	2.21	1797	382	1.61	3356	559
-7.00	-144	+73	-4.00	-516	+173	-2.20	-1814	+384	-1.60	-3396	+563

$$\bar{\omega} = 0.12$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.80433	+ 803	-0.09410	-216	+1.00	+48825	-3976	+1.60	+43718	- 7275	
0.9	0.86551	912	0.07145	232	1.01	48680	4935	1.61	43668	7328	
0.8	0.93584	1041	0.05112	250	1.02	48539	4993	1.62	43619	7380	
0.7	1.01660	1180	0.03329	274	1.03	48401	4151	1.63	43570	7432	
0.6	1.10919	1337	0.01820	295	1.04	48266	4209	1.64	43523	7485	
-0.5	+1.21517	+1505	-0.00606	-323	+1.05	+48135	-4267	+1.65	+43475	- 7537	
0.4	1.33619	1666	+0.00285	352	1.06	48006	4325	1.66	43428	7589	
0.3	1.47385	1820	0.00824	383	1.07	47880	4382	1.67	43382	7641	
0.2	1.62965	1941	0.00980	419	1.08	47757	4440	1.68	43336	7693	
-0.1	1.80478	2019	+0.00717	454	1.09	47636	4497	1.69	43291	7745	
0.0	+2.00000	+2041	0.00000	-493	+1.10	+47518	-4554	+1.70	+43246	- 7797	
+0.1	2.21552	2001	-0.01210	531	1.11	47403	4611	1.71	43202	7849	
0.2	2.45095	1905	0.02951	568	1.12	47290	4668	1.72	43158	7901	
0.3	2.70535	1767	0.05260	600	1.13	47179	4725	1.73	43115	7952	
0.4	2.97736	1596	0.08169	632	1.14	47071	4781	1.74	43072	8004	
+0.5	+3.26531	+1414	-0.11710	-659	+1.15	+46965	-4838	+1.75	+43030	- 8056	
0.6	3.56740	1232	0.15910	685	1.16	46861	4894	1.76	42988	8107	
0.7	3.88182	1057	0.20795	707	1.17	46759	4950	1.77	42947	8159	
0.8	4.20684	898	0.26387	725	1.18	46659	5006	1.78	42906	8210	
0.9	4.54087	753	0.32704	743	1.19	46561	5062	1.79	42865	8262	
+1.0	+4.88246	+ 625	-0.39764	-755	+1.20	+46465	-5118	+1.80	+42825	- 8313	
			$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln t $		1.21	46371	5174	1.81	42785	8365	
			$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln t $		1.22	46279	5229	1.82	42746	8416	
					1.23	46188	5285	1.83	42707	8467	
					1.24	46099	5340	1.84	42668	8518	
					+1.25	+46012	-5395	+1.85	+42630	- 8570	
					1.26	45926	5450	1.86	42592	8621	
					1.27	45842	5505	1.87	42555	8672	
					1.28	45760	5560	1.88	42518	8723	
					1.29	45679	5615	1.89	42481	8774	
-1.60	-3396	+563	-1.30	-5021	+712	+1.30	+45599	-5670	+1.90	+42444	- 8825
1.59	3437	567	1.29	5093	718	1.31	45521	5725	1.91	42408	8876
1.58	3479	571	1.28	5167	724	1.32	45444	5779	1.92	42372	8927
1.57	3522	576	1.27	5242	730	1.33	45368	5834	1.93	42336	8978
1.56	3565	580	1.26	5318	737	1.34	45294	5888	1.94	42301	9028
-1.55	-3609	+584	-1.25	-5397	+743	+1.35	+45221	-5943	+1.95	+42266	- 9079
1.54	3654	589	1.24	5477	750	1.36	45149	5997	1.96	42231	9130
1.53	3699	593	1.23	5558	756	1.37	45078	6051	1.97	42197	9180
1.52	3746	597	1.22	5642	763	1.38	45009	6105	1.98	42163	9231
1.51	3793	602	1.21	5727	770	1.39	44940	6159	1.99	42129	9282
-1.50	-3841	+607	-1.20	-5814	+777	+1.40	+44873	-6213	+2.00	+42095	- 9332
1.49	3890	611	1.19	5903	784	1.41	44807	6267	2.01	42061	9383
1.48	3940	616	1.18	5994	791	1.42	44742	6320	2.02	42028	9433
1.47	3991	621	1.17	6087	798	1.43	44677	6374	2.03	41995	9483
1.46	4043	625	1.16	6182	806	1.44	44614	6428	2.04	41963	9534
-1.45	-4096	+630	-1.15	-6279	+813	+1.45	+44552	-6481	+2.05	+41930	- 9584
1.44	4149	635	1.14	6378	821	1.46	44491	6534	2.06	41898	9634
1.43	4204	640	1.13	6480	828	1.47	44430	6588	2.07	41866	9685
1.42	4260	645	1.12	6584	836	1.48	44371	6641	2.08	41834	9735
1.41	4317	650	1.11	6690	844	1.49	44312	6694	2.09	41802	9785
-1.40	-4375	+656	-1.10	-6799	+852	+1.50	+44254	-6747	+2.10	+41771	- 9835
1.39	4434	661	1.09	6910	860	1.51	44197	6800	2.11	41740	9885
1.38	4494	666	1.08	7025	869	1.52	44141	6853	2.12	41709	9935
1.37	4556	672	1.07	7141	877	1.53	44086	6906	2.13	41678	9986
1.36	4618	677	1.06	7261	886	1.54	44031	6959	2.14	41647	10035
-1.35	-4682	+683	-1.05	-7384	+895	+1.55	+43977	-7012	+2.15	+41617	-10085
1.34	4747	688	1.04	7509	904	1.56	43924	7065	2.16	41587	10135
1.33	4814	694	1.03	7638	913	1.57	43871	7118	2.17	41557	10185
1.32	4881	700	1.02	7770	922	1.58	43820	7170	2.18	41527	10235
1.31	4951	706	1.01	7905	931	1.59	43769	7223	2.19	41497	10285
-1.30	-5021	+712	-1.00	-8043	+941	+1.60	+43718	-7275	+2.20	+41467	-10335

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+2.20	+41467	-10335	+4.00	+36950	-18796	+7.00	+27561	-30514	+10.00	+14944	-38246
2.21	41438	10384	4.05	36822	19017	7.05	27374	30679	10.05	14713	38335
2.22	41409	10434	4.10	36693	19238	7.10	27187	30843	10.10	14482	38422
2.23	41379	10484	4.15	36563	19457	7.15	26998	31005	10.15	14250	38508
2.24	41351	10533	4.20	36433	19676	7.20	26809	31167	10.20	14018	38593
+2.25	+41322	-10583	+4.25	+36301	-19895	+7.25	+26619	-31327	+10.25	+13785	-38677
2.26	41293	10633	4.30	36169	20112	7.30	26428	31486	10.30	13552	38759
2.27	41264	10682	4.35	36035	20329	7.35	26236	31644	10.35	13318	38839
2.28	41236	10732	4.40	35901	20544	7.40	26043	31801	10.40	13084	38918
2.29	41208	10781	4.45	35766	20759	7.45	25850	31957	10.45	12849	38996
+2.30	+41180	-10831	+4.50	+35630	-20974	+7.50	+25655	-32112	+10.50	+12614	-39073
2.31	41152	10880	4.55	35492	21187	7.55	25460	32265	10.55	12379	39148
2.32	41124	10929	4.60	35354	21399	7.60	25263	32417	10.60	12143	39221
2.33	41096	10979	4.65	35215	21611	7.65	25066	32568	10.65	11906	39293
2.34	41068	11028	4.70	35076	21822	7.70	24868	32718	10.70	11670	39364
+2.35	+41041	-11077	+4.75	+34935	-22032	+7.75	+24669	-32866	+10.75	+11432	-39433
2.36	41013	11126	4.80	34793	22241	7.80	24469	33014	10.80	11195	39501
2.37	40986	11176	4.85	34650	22450	7.85	24269	33160	10.85	10957	39568
2.38	40959	11225	4.90	34506	22657	7.90	24067	33305	10.90	10718	39633
2.39	40932	11274	4.95	34361	22864	7.95	23865	33449	10.95	10480	39696
+2.40	+40905	-11323	+5.00	+34216	-23069	+8.00	+23662	-33591	+11.00	+10241	-39758
2.41	40878	11372	5.05	34069	23274	8.05	23458	33733	11.05	10001	39819
2.42	40851	11421	5.10	33921	23478	8.10	23254	33873	11.10	9761	39878
2.43	40825	11470	5.15	33772	23681	8.15	23048	34012	11.15	9521	39936
2.44	40798	11519	5.20	33623	23883	8.20	22842	34149	11.20	9281	39993
+2.45	+40771	-11568	+5.25	+33472	-24085	+8.25	+22635	-34286	+11.25	+9040	-40048
2.46	40745	11617	5.30	33320	24285	8.30	22427	34421	11.30	8799	40101
2.47	40719	11666	5.35	33167	24484	8.35	22218	34555	11.35	8557	40153
2.48	40692	11715	5.40	33013	24683	8.40	22009	34688	11.40	8316	40204
2.49	40666	11764	5.45	32859	24881	8.45	21799	34819	11.45	8074	40253
+2.50	+40640	-11812	+5.50	+32703	-25077	+8.50	+21588	-34949	+11.50	+7831	-40301
2.55	40511	12056	5.55	32546	25273	8.55	21376	35078	11.55	7589	40347
2.60	40383	12298	5.60	32388	25468	8.60	21164	35206	11.60	7346	40392
2.65	40257	12540	5.65	32229	25662	8.65	20950	35332	11.65	7103	40435
2.70	40132	12781	5.70	32069	25855	8.70	20737	35457	11.70	6859	40477
+2.75	+40008	-13022	+5.75	+31908	-26047	+8.75	+20522	-35581	+11.75	+6616	-40518
2.80	39885	13261	5.80	31746	26238	8.80	20307	35703	11.80	6372	40557
2.85	39763	13500	5.85	31583	26428	8.85	20091	35825	11.85	6128	40594
2.90	39642	13739	5.90	31419	26617	8.90	19874	35944	11.90	5884	40630
2.95	39521	13976	5.95	31254	26805	8.95	19656	36063	11.95	5639	40665
+3.00	+39400	-14213	+6.00	+31088	-26992	+9.00	+19438	-36180	+12.00	+5395	-40698
3.05	39280	14449	6.05	30921	27178	9.05	19220	36296	12.05	5150	40729
3.10	39160	14684	6.10	30753	27363	9.10	19000	36411	12.10	4905	40760
3.15	39040	14919	6.15	30584	27547	9.15	18780	36524	12.15	4659	40788
3.20	38920	15153	6.20	30414	27730	9.20	18559	36636	12.20	4414	40815
+3.25	+38800	-15386	+6.25	+30243	-27912	+9.25	+18338	-36747	+12.25	+4168	-40841
3.30	38680	15618	6.30	30071	28093	9.30	18116	36856	12.30	3923	40865
3.35	38559	15850	6.35	29898	28273	9.35	17893	36964	12.35	3677	40888
3.40	38438	16081	6.40	29724	28451	9.40	17670	37071	12.40	3431	40910
3.45	38317	16311	6.45	29549	28629	9.45	17446	37176	12.45	3185	40929
+3.50	+38196	-16541	+6.50	+29373	-28806	+9.50	+17221	-37280	+12.50	+2939	-40948
3.55	38074	16770	6.55	29196	28982	9.55	16996	37383	12.55	2693	40965
3.60	37951	16998	6.60	29018	29156	9.60	16770	37484	12.60	2446	40980
3.65	37828	17225	6.65	28839	29330	9.65	16544	37584	12.65	2200	40994
3.70	37705	17452	6.70	28660	29502	9.70	16317	37683	12.70	1953	41007
+3.75	+37581	-17678	+6.75	+28479	-29674	+9.75	+16090	-37780	+12.75	+1707	-41018
3.80	37456	17903	6.80	28297	29844	9.80	15862	37876	12.80	1460	41027
3.85	37331	18127	6.85	28114	30013	9.85	15633	37970	12.85	1213	41035
3.90	37204	18351	6.90	27931	30181	9.90	15404	38063	12.90	967	41042
3.95	37078	18574	6.95	27746	30348	9.95	15174	38155	12.95	720	41047
+4.00	+36950	-18796	+7.00	+27561	-30514	+10.00	+14944	-38246	+13.00	+473	-41050

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+13.00	+ 473	-41050	+16.00	-14037	-38582	+19.00	-26740	-31161	+22.00	-36010	-19743
13.05	+ 226	41052	16.05	14269	38497	19.05	26927	31000	22.05	36128	19526
13.10	- 20	41053	16.10	14500	38410	19.10	27112	30838	22.10	36244	19309
13.15	267	41052	16.15	14730	38323	19.15	27297	30675	22.15	36360	19091
13.20	514	41050	16.20	14960	38234	19.20	27481	30511	22.20	36474	18873
+13.25	- 761	-41046	+16.25	-15189	-38143	+19.25	-27664	-30345	+22.25	-36586	-18654
13.30	1007	41041	16.30	15418	38051	19.30	27845	30179	22.30	36698	18434
13.35	1254	41034	16.35	15647	37958	19.35	28026	30011	22.35	36808	18213
13.40	1500	41026	16.40	15874	37863	19.40	28206	29842	22.40	36916	17992
13.45	1747	41016	16.45	16101	37767	19.45	28384	29673	22.45	37024	17770
+13.50	- 1993	-41005	+16.50	-16328	-37670	+19.50	-28562	-29502	+22.50	-37130	-17548
13.55	2240	40992	16.55	16554	37572	19.55	28739	29330	22.55	37235	17325
13.60	2486	40978	16.60	16779	37472	19.60	28914	29157	22.60	37338	17101
13.65	2732	40962	16.65	17004	37370	19.65	29089	28983	22.65	37440	16877
13.70	2978	40945	16.70	17228	37268	19.70	29262	28808	22.70	37541	16652
+13.75	- 3224	-40926	+16.75	-17451	-37163	+19.75	-29435	-28632	+22.75	-37640	-16426
13.80	3470	40906	16.80	17674	37058	19.80	29606	28455	22.80	37738	16200
13.85	3716	40885	16.85	17897	36951	19.85	29776	28277	22.85	37835	15973
13.90	3961	40862	16.90	18118	36843	19.90	29945	28097	22.90	37930	15746
13.95	4207	40837	16.95	18339	36734	19.95	30114	27917	22.95	38024	15518
+14.00	- 4452	-40811	+17.00	-18559	-36623	+20.00	-30281	-27736	+23.00	-38116	-15290
14.05	4697	40784	17.05	18779	36511	20.05	30447	27554	23.05	38207	15061
14.10	4942	40755	17.10	18998	36398	20.10	30611	27371	23.10	38297	14831
14.15	5187	40724	17.15	19216	36283	20.15	30775	27187	23.15	38385	14601
14.20	5432	40693	17.20	19434	36167	20.20	30938	27001	23.20	38472	14371
+14.25	- 5676	-40659	+17.25	-19650	-36050	+20.25	-31100	-26815	+23.25	-38558	-14140
14.30	5920	40624	17.30	19867	35932	20.30	31260	26628	23.30	38642	13908
14.35	6164	40588	17.35	20082	35812	20.35	31419	26440	23.35	38725	13676
14.40	6408	40550	17.40	20297	35691	20.40	31577	26251	23.40	38807	13443
14.45	6651	40511	17.45	20511	35568	20.45	31735	26061	23.45	38887	13210
+14.50	- 6895	-40471	+17.50	-20724	-35444	+20.50	-31890	-25870	+23.50	-38965	-12977
14.55	7138	40429	17.55	20936	35319	20.55	32045	25679	23.55	39043	12743
14.60	7381	40385	17.60	21148	35193	20.60	32199	25486	23.60	39118	12508
14.65	7623	40340	17.65	21359	35066	20.65	32351	25292	23.65	39193	12273
14.70	7865	40294	17.70	21569	34937	20.70	32503	25098	23.70	39266	12038
+14.75	- 8107	-40246	+17.75	-21779	-34807	+20.75	-32653	-24902	+23.75	-39337	-11802
14.80	8349	40196	17.80	21988	34676	20.80	32802	24706	23.80	39408	11566
14.85	8590	40146	17.85	22195	34543	20.85	32949	24509	23.85	39476	11329
14.90	8831	40093	17.90	22402	34409	20.90	33096	24310	23.90	39544	11092
14.95	9072	40040	17.95	22609	34274	20.95	33241	24111	23.95	39610	10855
+15.00	- 9312	-39985	+18.00	-22814	-34138	+21.00	-33385	-23911	+24.00	-39674	-10617
15.05	9552	39928	18.05	23019	34001	21.05	33528	23711	24.05	39737	10379
15.10	9792	39870	18.10	23222	33862	21.10	33670	23509	24.10	39799	10140
15.15	10031	39810	18.15	23425	33722	21.15	33811	23307	24.15	39859	9901
15.20	10270	39749	18.20	23627	33581	21.20	33950	23103	24.20	39918	9662
+15.25	- 10509	-39687	+18.25	-23829	-33438	+21.25	-34088	-22899	+24.25	-39975	-9422
15.30	10747	39623	18.30	24029	33295	21.30	34225	22694	24.30	40031	9182
15.35	10985	39558	18.35	24228	33150	21.35	34361	22489	24.35	40085	8942
15.40	11222	39491	18.40	24427	33004	21.40	34495	22282	24.40	40138	8701
15.45	11459	39423	18.45	24625	32857	21.45	34628	22075	24.45	40190	8460
+15.50	- 11696	-39354	+18.50	-24822	-32708	+21.50	-34760	-21866	+24.50	-40240	-8219
15.55	11932	39283	18.55	25018	32559	21.55	34891	21658	24.55	40289	7977
15.60	12168	39211	18.60	25213	32408	21.60	35020	21448	24.60	40336	7735
15.65	12403	39137	18.65	25407	32256	21.65	35149	21237	24.65	40382	7493
15.70	12638	39062	18.70	25600	32103	21.70	35275	21026	24.70	40426	7251
+15.75	- 12872	-38985	+18.75	-25792	-31949	+21.75	-35401	-20814	+24.75	-40469	-7008
15.80	13106	38907	18.80	25984	31794	21.80	35525	20601	24.80	40510	6765
15.85	13340	38828	18.85	26174	31638	21.85	35648	20388	24.85	40550	6522
15.90	13573	38747	18.90	26364	31480	21.90	35770	20173	24.90	40589	6278
15.95	13805	38665	18.95	26552	31321	21.95	35891	19958	24.95	40626	6035
+16.00	- 14037	-38582	+19.00	-26740	-31161	+22.00	-36010	-19743	+25.00	-40661	-5791

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+25.00	-40661	-5791	+28.00	-40097	+8905	+31.00	-34392	+22460	+34.00	-24278	+33136
25.05	40695	5547	28.05	40043	9145	31.05	34257	22666	34.05	24078	33281
25.10	40728	5302	28.10	39988	9385	31.10	34121	22871	34.10	23878	33425
25.15	40759	5058	28.15	39931	9625	31.15	33983	23075	34.15	23677	33568
25.20	40789	4813	28.20	39872	9865	31.20	33844	23279	34.20	23476	33709
+25.25	-40817	-4569	+28.25	-39813	+10104	+31.25	-33703	+23481	+34.25	-23273	+33849
25.30	40844	4324	28.30	39751	10342	31.30	33562	23683	34.30	23069	33988
25.35	40869	4078	28.35	39689	10581	31.35	33419	23884	34.35	22865	34126
25.40	40893	3833	28.40	39624	10819	31.40	33275	24084	34.40	22660	34263
25.45	40915	3588	28.45	39559	11056	31.45	33130	24283	34.45	22454	34398
+25.50	-40936	-3342	+28.50	-39492	+11293	+31.50	-32984	+24482	+34.50	-22247	+34532
25.55	40955	3096	28.55	39423	11530	31.55	32837	24679	34.55	22040	34665
25.60	40973	2851	28.60	39354	11766	31.60	32688	24876	34.60	21831	34797
25.65	40989	2605	28.65	39282	12002	31.65	32538	25071	34.65	21622	34927
25.70	41004	2359	28.70	39210	12238	31.70	32387	25266	34.70	21412	35056
+25.75	-41018	-2113	+28.75	-39136	+12473	+31.75	-32235	+25460	+34.75	-21202	+35184
25.80	41030	1867	28.80	39060	12707	31.80	32082	25653	34.80	20990	35310
25.85	41040	1620	28.85	38983	12942	31.85	31927	25845	34.85	20778	35436
25.90	41049	1374	28.90	38905	13175	31.90	31772	26036	34.90	20565	35560
25.95	41057	1128	28.95	38825	13408	31.95	31615	26226	34.95	20351	35683
+26.00	-41063	-881	+29.00	-38744	+13641	+32.00	-31457	+26415	+35.00	-20137	+35804
26.05	41068	635	29.05	38662	13873	32.05	31298	26604	35.05	19922	35924
26.10	41071	389	29.10	38578	14105	32.10	31138	26791	35.10	19706	36043
26.15	41072	-142	29.15	38492	14336	32.15	30977	26977	35.15	19489	36161
26.20	41073	+104	29.20	38406	14567	32.20	30814	27163	35.20	19272	36277
+26.25	-41071	+351	+29.25	-38318	+14797	+32.25	-30651	+27347	+35.25	-19054	+36392
26.30	41068	597	29.30	38228	15027	32.30	30486	27531	35.30	18835	36506
26.35	41064	844	29.35	38137	15256	32.35	30320	27713	35.35	18616	36618
26.40	41058	1090	29.40	38045	15484	32.40	30154	27894	35.40	18396	36729
26.45	41051	1336	29.45	37952	15712	32.45	29986	28075	35.45	18175	36839
+26.50	-41042	+1583	+29.50	-37857	+15940	+32.50	-29817	+28254	+35.50	-17954	+36947
26.55	41032	1829	29.55	37760	16167	32.55	29647	28433	35.55	17732	37054
26.60	41021	2075	29.60	37663	16393	32.60	29476	28610	35.60	17509	37160
26.65	41007	2321	29.65	37564	16618	32.65	29303	28786	35.65	17286	37264
26.70	40993	2567	29.70	37463	16844	32.70	29130	28962	35.70	17062	37367
+26.75	-40977	+2813	+29.75	-37362	+17068	+32.75	-28956	+29136	+35.75	-16838	+37469
26.80	40959	3059	29.80	37259	17292	32.80	28781	29309	35.80	16613	37569
26.85	40940	3305	29.85	37154	17515	32.85	28604	29481	35.85	16387	37668
26.90	40920	3550	29.90	37049	17738	32.90	28427	29652	35.90	16161	37766
26.95	40898	3796	29.95	36942	17960	32.95	28249	29822	35.95	15934	37862
+27.00	-40874	+4041	+30.00	-36833	+18181	+33.00	-28069	+29991	+36.00	-15706	+37957
27.05	40849	4286	30.05	36723	18402	33.05	27889	30159	36.05	15478	38051
27.10	40823	4531	30.10	36612	18622	33.10	27707	30326	36.10	15250	38143
27.15	40795	4776	30.15	36500	18841	33.15	27525	30492	36.15	15021	38234
27.20	40766	5021	30.20	36386	19060	33.20	27341	30656	36.20	14791	38323
+27.25	-40735	+5265	+30.25	-36271	+19278	+33.25	-27157	+30820	+36.25	-14561	+38411
27.30	40703	5509	30.30	36155	19495	33.30	26972	30982	36.30	14330	38498
27.35	40669	5754	30.35	36038	19711	33.35	26785	31144	36.35	14099	38583
27.40	40634	5997	30.40	35919	19927	33.40	26598	31304	36.40	13867	38667
27.45	40597	6241	30.45	35799	20143	33.45	26410	31463	36.45	13635	38750
+27.50	-40559	+6485	+30.50	-35677	+20357	+33.50	-26221	+31621	+36.50	-13402	+38831
27.55	40519	6728	30.55	35554	20571	33.55	26030	31777	36.55	13169	38911
27.60	40478	6971	30.60	35430	20784	33.60	25839	31933	36.60	12935	38989
27.65	40436	7214	30.65	35305	20996	33.65	25647	32087	36.65	12701	39066
27.70	40392	7456	30.70	35178	21207	33.70	25454	32241	36.70	12466	39141
+27.75	-40346	+7698	+30.75	-35051	+21418	+33.75	-25261	+32393	+36.75	-12231	+39215
27.80	40299	7940	30.80	34921	21628	33.80	25066	32544	36.80	11996	39288
27.85	40251	8182	30.85	34791	21837	33.85	24870	32694	36.85	11760	39359
27.90	40201	8423	30.90	34659	22045	33.90	24673	32842	36.90	11524	39429
27.95	40150	8664	30.95	34527	22253	33.95	24476	32990	36.95	11287	39498
+28.00	-40097	+8905	+31.00	-34392	+22460	+34.00	-24278	+33136	+37.00	-11050	+39565

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+37.00	-11050	+39565	+40.00	+3595	+40921	+43.00	+17779	+37031	+46.00	+29684	+28395
37.05	10812	39030	40.05	3841	40899	43.05	18001	36924	46.05	29854	28216
37.10	10574	39094	40.10	4086	40875	43.10	18222	36815	46.10	30023	28036
37.15	10336	39757	40.15	4331	40850	43.15	18443	36705	46.15	30190	27856
37.20	10097	39818	40.20	4576	40823	43.20	18663	36594	46.20	30357	27674
+37.25	-9858	+39878	+40.25	+4821	+40795	+43.25	+18882	+36482	+46.25	+30523	+27491
37.30	9619	39937	40.30	5066	40765	43.30	19100	36368	46.30	30687	27308
37.35	9379	39994	40.35	5310	40734	43.35	19318	36252	46.35	30850	27123
37.40	9139	40049	40.40	5554	40701	43.40	19535	36136	46.40	31012	26938
37.45	8898	40103	40.45	5799	40667	43.45	19752	36018	46.45	31173	26751
+37.50	-8658	+40156	+40.50	+6042	+40632	+43.50	+19968	+35899	+46.50	+31333	+26564
37.55	8416	40207	40.55	6286	40595	43.55	20183	35778	46.55	31492	26375
37.60	8175	40257	40.60	6530	40556	43.60	20397	35657	46.60	31650	26186
37.65	7933	40305	40.65	6773	40517	43.65	20611	35533	46.65	31806	25995
37.70	7691	40352	40.70	7016	40475	43.70	20823	35409	46.70	31962	25804
+37.75	-7449	+40398	+40.75	+7258	+40432	+43.75	+21035	+35284	+46.75	+32116	+25612
37.80	7207	40442	40.80	7501	40388	43.80	21247	35157	46.80	32269	25419
37.85	6964	40484	40.85	7743	40342	43.85	21457	35029	46.85	32421	25224
37.90	6721	40525	40.90	7985	40295	43.90	21667	34899	46.90	32572	25029
37.95	6478	40565	40.95	8226	40246	43.95	21876	34769	46.95	32721	24834
+38.00	-6234	+40603	+41.00	+8468	+40196	+44.00	+22084	+34637	+47.00	+32870	+24637
38.05	5990	40640	41.05	8709	40145	44.05	22292	34504	47.05	33017	24439
38.10	5746	40675	41.10	8949	40092	44.10	22498	34369	47.10	33163	24241
38.15	5502	40709	41.15	9190	40037	44.15	22704	34234	47.15	33308	24041
38.20	5258	40741	41.20	9430	39982	44.20	22909	34097	47.20	33451	23841
+38.25	-5013	+40772	+41.25	+9670	+39924	+44.25	+23113	+33959	+47.25	+33594	+23640
38.30	4769	40801	41.30	9909	39866	44.30	23317	33819	47.30	33735	23438
38.35	4524	40829	41.35	10148	39805	44.35	23519	33679	47.35	33875	23235
38.40	4279	40855	41.40	10387	39744	44.40	23721	33537	47.40	34014	23031
38.45	4034	40880	41.45	10625	39681	44.45	23921	33394	47.45	34151	22827
+38.50	-3788	+40904	+41.50	+10863	+39616	+44.50	+24121	+33250	+47.50	+34288	+22622
38.55	3543	40926	41.55	11100	39550	44.55	24320	33105	47.55	34423	22415
38.60	3297	40946	41.60	11337	39483	44.60	24519	32958	47.60	34557	22208
38.65	3052	40965	41.65	11574	39414	44.65	24716	32811	47.65	34689	22001
38.70	2806	40983	41.70	11810	39344	44.70	24912	32662	47.70	34821	21792
+38.75	-2560	+40999	+41.75	+12046	+39273	+44.75	+25108	+32512	+47.75	+34951	+21583
38.80	2314	41014	41.80	12281	39200	44.80	25302	32360	47.80	35080	21373
38.85	2068	41027	41.85	12516	39125	44.85	25496	32208	47.85	35207	21162
38.90	1821	41038	41.90	12751	39049	44.90	25689	32054	47.90	35334	20950
38.95	1575	41049	41.95	12985	38972	44.95	25881	31900	47.95	35459	20738
+39.00	-1329	+41057	+42.00	+13219	+38894	+45.00	+26072	+31744	+48.00	+35582	+20525
39.05	1083	41064	42.05	13452	38814	45.05	26262	31587	48.05	35705	20311
39.10	836	41070	42.10	13684	38732	45.10	26451	31429	48.10	35826	20096
39.15	590	41075	42.15	13916	38649	45.15	26639	31270	48.15	35946	19881
39.20	343	41077	42.20	14148	38565	45.20	26826	31109	48.20	36065	19665
+39.25	-97	+41079	+42.25	+14379	+38480	+45.25	+27012	+30948	+48.25	+36182	+19448
39.30	150	41078	42.30	14610	38393	45.30	27197	30785	48.30	36298	19231
39.35	396	41077	42.35	14840	38304	45.35	27382	30621	48.35	36413	19013
39.40	642	41074	42.40	15069	38215	45.40	27565	30456	48.40	36526	18794
39.45	889	41069	42.45	15298	38123	45.45	27747	30290	48.45	36638	18574
+39.50	+1135	+41063	+42.50	+15527	+38031	+45.50	+27928	+30123	+48.50	+36749	+18354
39.55	1382	41056	42.55	15755	37937	45.55	28108	29955	48.55	36858	18133
39.60	1628	41046	42.60	15982	37842	45.60	28288	29786	48.60	36967	17912
39.65	1874	41036	42.65	16209	37745	45.65	28466	29616	48.65	37073	17690
39.70	2120	41024	42.70	16435	37647	45.70	28643	29445	48.70	37179	17467
+39.75	+2366	+41011	+42.75	+16660	+37548	+45.75	+28819	+29272	+48.75	+37283	+17244
39.80	2612	40996	42.80	16885	37448	45.80	28994	29099	48.80	37386	17020
39.85	2858	40979	42.85	17110	37346	45.85	29168	28924	48.85	37487	16795
39.90	3104	40961	42.90	17334	37242	45.90	29341	28749	48.90	37587	16570
39.95	3350	40942	42.95	17557	37138	45.95	29513	28572	48.95	37686	16344
+40.00	+3595	+40921	+43.00	+17779	+37031	+46.00	+29684	+28395	+49.00	+37783	+16118

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+49:00	+37783	+16118	+52:00	+41039	+1774	+55:00	+39033	-12796	+58:00	+32022	-25726
49:05	37879	15891	52:05	41049	1528	55:05	38955	13030	58:05	31867	25918
49:10	37974	15663	52:10	41057	1282	55:10	38876	13263	58:10	31711	26109
49:15	38067	15435	52:15	41064	1035	55:15	38796	13496	58:15	31554	26298
49:20	38159	15206	52:20	41070	789	55:20	38714	13729	58:20	31396	26487
+49:25	+38250	+14977	+52:25	+41074	+543	+55:25	+38631	-13961	+58:25	+31236	-26675
49:30	38339	14747	52:30	41076	296	55:30	38547	14193	58:30	31076	26862
49:35	38427	14517	52:35	41077	50	55:35	38461	14424	58:35	30914	27048
49:40	38513	14286	52:40	41077	-197	55:40	38374	14654	58:40	30751	27233
49:45	38598	14055	52:45	41075	443	55:45	38285	14884	58:45	30587	27417
+49:50	+38682	+13823	+52:50	+41071	-690	+55:50	+38195	-15114	+58:50	+30422	-27600
49:55	38764	13591	52:55	41066	936	55:55	38104	15342	58:55	30256	27782
49:60	38845	13358	52:60	41060	1182	55:60	38011	15571	58:60	30089	27963
49:65	38924	13124	52:65	41052	1429	55:65	37917	15799	58:65	29920	28143
49:70	39002	12891	52:70	41043	1675	55:70	37821	16026	58:70	29751	28322
+49:75	+39079	+12656	+52:75	+41032	-1921	+55:75	+37725	-16252	+58:75	+29580	-28500
49:80	39154	12422	52:80	41020	2167	55:80	37626	16479	58:80	29409	28677
49:85	39228	12187	52:85	41006	2414	55:85	37527	16704	58:85	29236	28853
49:90	39300	11951	52:90	40991	2660	55:90	37426	16929	58:90	29063	29028
49:95	39371	11715	52:95	40974	2905	55:95	37324	17153	58:95	28888	29202
+50:00	+39441	+11479	+53:00	+40956	-3151	+56:00	+37220	-17377	+59:00	+28712	-29375
50:05	39509	11242	53:05	40936	3397	56:05	37115	17600	59:05	28535	29546
50:10	39576	11004	53:10	40915	3642	56:10	37009	17822	59:10	28358	29717
50:15	39641	10767	53:15	40893	3888	56:15	36901	18044	59:15	28179	29887
50:20	39705	10529	53:20	40869	4133	56:20	36792	18265	59:20	27999	30055
+50:25	+39767	+10290	+53:25	+40843	-4378	+56:25	+36682	-18485	+59:25	+27818	-30223
50:30	39828	10051	53:30	40816	4623	56:30	36570	18705	59:30	27636	30389
50:35	39888	9812	53:35	40788	4868	56:35	36458	18924	59:35	27453	30554
50:40	39946	9573	53:40	40758	5113	56:40	36343	19143	59:40	27270	30718
50:45	40003	9333	53:45	40726	5357	56:45	36228	19360	59:45	27085	30881
+50:50	+40058	+9093	+53:50	+40693	-5601	+56:50	+36111	-19577	+59:50	+26899	-31043
50:55	40112	8852	53:55	40659	5845	56:55	35993	19794	59:55	26712	31204
50:60	40164	8611	53:60	40623	6089	56:60	35873	20009	59:60	26524	31364
50:65	40215	8370	53:65	40586	6333	56:65	35753	20224	59:65	26336	31523
50:70	40265	8129	53:70	40547	6576	56:70	35631	20438	59:70	26146	31680
+50:75	+40313	+7887	+53:75	+40507	-6819	+56:75	+35507	-20652	+59:75	+25956	-31836
50:80	40359	7645	53:80	40465	7062	56:80	35383	20864	59:80	25764	31991
50:85	40405	7403	53:85	40422	7305	56:85	35257	21076	59:85	25572	32145
50:90	40448	7160	53:90	40378	7547	56:90	35130	21288	59:90	25378	32298
50:95	40490	6917	53:95	40332	7789	56:95	35002	21498	59:95	25184	32450
+51:00	+40531	+6674	+54:00	+40284	-8031	+57:00	+34872	-21708	+60:00	+24989	-32601
51:05	40571	6431	54:05	40235	8273	57:05	34741	21916	60:05	24793	32750
51:10	40608	6188	54:10	40185	8514	57:10	34609	22124	60:10	24596	32898
51:15	40645	5944	54:15	40133	8755	57:15	34476	22332	60:15	24398	33045
51:20	40680	5700	54:20	40080	8996	57:20	34341	22538	60:20	24199	33191
+51:25	+40713	+5456	+54:25	+40025	-9236	+57:25	+34205	-22744	+60:25	+24000	-33335
51:30	40745	5211	54:30	39969	9476	57:30	34068	22949	60:30	23799	33479
51:35	40776	4967	54:35	39911	9716	57:35	33930	23153	60:35	23598	33621
51:40	40805	4722	54:40	39852	9955	57:40	33790	23356	60:40	23396	33762
51:45	40832	4477	54:45	39792	10194	57:45	33649	23558	60:45	23193	33902
+51:50	+40859	+4232	+54:50	+39730	-10432	+57:50	+33507	-23760	+60:50	+22989	-34040
51:55	40883	3987	54:55	39667	10671	57:55	33364	23960	60:55	22785	34178
51:60	40906	3741	54:60	39602	10908	57:60	33220	24160	60:60	22579	34314
51:65	40928	3496	54:65	39536	11146	57:65	33074	24359	60:65	22373	34449
51:70	40948	3250	54:70	39468	11383	57:70	32928	24557	60:70	22166	34582
+51:75	+40967	+3004	+54:75	+39399	-11619	+57:75	+32780	-24754	+60:75	+21958	-34715
51:80	40984	2759	54:80	39329	11856	57:80	32630	24950	60:80	21749	34846
51:85	41000	2513	54:85	39257	12091	57:85	32480	25146	60:85	21540	34975
51:90	41015	2267	54:90	39183	12327	57:90	32329	25340	60:90	21329	35104
51:95	41027	2020	54:95	39109	12562	57:95	32176	25534	60:95	21118	35231
+52:00	+41039	+1774	+55:00	+39033	-12796	+58:00	+32022	-25726	+61:00	+20907	-35358

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+61.00	+20907	-35358	+64.25	+5894	-40651	+67.50	-10004	-39839	+70.75	-24399	-33044
61.05	20694	35482	64.30	5650	40686	67.55	10243	39779	70.80	24597	32897
61.10	20481	35606	64.35	5406	40719	67.60	10481	39716	70.85	24794	32749
61.15	20267	35728	64.40	5161	40750	67.65	10719	39653	70.90	24990	32600
61.20	20052	35849	64.45	4917	40781	67.70	10957	39588	70.95	25185	32449
+61.25	+19837	-35969	+64.50	+4672	-40809	+67.75	-11194	-39521	+71.00	-25379	-32208
61.30	19621	36087	64.55	4427	40837	67.80	11431	39453	71.05	25573	32145
61.35	19404	36204	64.60	4182	40863	67.85	11668	39384	71.10	25765	31991
61.40	19186	36320	64.65	3937	40887	67.90	11904	39313	71.15	25957	31836
61.45	18968	36434	64.70	3691	40910	67.95	12139	39241	71.20	26147	31679
+61.50	+18749	-36548	+64.75	+3446	-40931	+68.00	-12375	-39168	+71.25	-26337	-31522
61.55	18529	36659	64.80	3200	40951	68.05	12609	39093	71.30	26525	31363
61.60	18309	36770	64.85	2954	40970	68.10	12844	39016	71.35	26713	31204
61.65	18088	36879	64.90	2709	40987	68.15	13078	38939	71.40	26900	31043
61.70	17866	36987	64.95	2463	41002	68.20	13311	38859	71.45	27086	30881
+61.75	+17644	-37093	+65.00	+2217	-41016	+68.25	-13544	-38779	+71.50	-27270	-30718
61.80	17421	37199	65.05	1970	41029	68.30	13776	38697	71.55	27454	30554
61.85	17198	37303	65.10	1724	41040	68.35	14008	38614	71.60	27637	30388
61.90	16974	37405	65.15	1478	41049	68.40	14240	38529	71.65	27819	30222
61.95	16749	37506	65.20	1232	41058	68.45	14471	38443	71.70	28000	30054
+62.00	+16524	-37606	+65.25	+985	-41064	+68.50	-14701	-38355	+71.75	-28180	-29886
62.05	16298	37704	65.30	739	41069	68.55	14931	38266	71.80	28358	29716
62.10	16071	37802	65.35	492	41073	68.60	15160	38176	71.85	28536	29546
62.15	15844	37897	65.40	246	41075	68.65	15389	38084	71.90	28713	29374
62.20	15616	37992	65.45	-1	41076	68.70	15617	37991	71.95	28889	29201
+62.25	+15388	-38085	+65.50	-247	-41075	+68.75	-15845	-37897	+72.00	-29063	-29027
62.30	15159	38176	65.55	493	41073	68.80	16072	37801	72.05	29237	28852
62.35	14930	38267	65.60	740	41069	68.85	16299	37704	72.10	29410	28676
62.40	14700	38356	65.65	986	41064	68.90	16525	37606	72.15	29581	28499
62.45	14470	38443	65.70	1233	41058	68.95	16750	37506	72.20	29752	28321
+62.50	+14239	-38529	+65.75	-1479	-41049	+69.00	-16975	-37405	+72.25	-29921	-28142
62.55	14007	38614	65.80	1725	41040	69.05	17199	37302	72.30	30089	27962
62.60	13776	38697	65.85	1971	41029	69.10	17422	37198	72.35	30257	27781
62.65	13543	38779	65.90	2218	41016	69.15	17645	37093	72.40	30423	27599
62.70	13310	38860	65.95	2464	41002	69.20	17867	36987	72.45	30588	27416
+62.75	+13077	-38939	+66.00	-2710	-40987	+69.25	-18089	-36879	+72.50	-30752	-27232
62.80	12843	39017	66.05	2955	40970	69.30	18310	36769	72.55	30915	27047
62.85	12609	39093	66.10	3201	40951	69.35	18530	36659	72.60	31076	26861
62.90	12374	39168	66.15	3447	40931	69.40	18750	36547	72.65	31237	26674
62.95	12139	39242	66.20	3692	40910	69.45	18969	36434	72.70	31396	26486
+63.00	+11903	-39314	+66.25	-3938	-40887	+69.50	-19187	-36319	+72.75	-31555	-26298
63.05	11667	39384	66.30	4183	40863	69.55	19405	36204	72.80	31712	26108
63.10	11430	39454	66.35	4428	40837	69.60	19621	36087	72.85	31868	25917
63.15	11193	39522	66.40	4673	40809	69.65	19838	35968	72.90	32023	25725
63.20	10956	39588	66.45	4918	40781	69.70	20053	35849	72.95	32177	25533
+63.25	+10718	-39653	+66.50	-5162	-40750	+69.75	-20268	-35728	+73.00	-32329	-25339
63.30	10480	39717	66.55	5407	40719	69.80	20482	35605	73.05	32481	25145
63.35	10242	39779	66.60	5651	40686	69.85	20695	35482	73.10	32631	24949
63.40	10003	39840	66.65	5895	40651	69.90	20908	35357	73.15	32780	24753
63.45	9764	39899	66.70	6139	40615	69.95	21119	35231	73.20	32928	24556
+63.50	+9524	-39957	+66.75	-6382	-40577	+70.00	-21330	-35104	+73.25	-33075	-24358
63.55	9284	40013	66.80	6626	40538	70.05	21541	34975	73.30	33220	24159
63.60	9044	40068	66.85	6869	40498	70.10	21750	34845	73.35	33365	23959
63.65	8803	40122	66.90	7112	40456	70.15	21959	34714	73.40	33508	23759
63.70	8562	40174	66.95	7354	40412	70.20	22167	34582	73.45	33650	23557
+63.75	+8321	-40224	+67.00	-7597	-40367	+70.25	-22374	-34448	+73.50	-33791	-23355
63.80	8080	40274	67.05	7839	40321	70.30	22580	34313	73.55	33930	23152
63.85	7838	40321	67.10	8081	40273	70.35	22786	34177	73.60	34068	22948
63.90	7596	40368	67.15	8322	40224	70.40	22990	34040	73.65	34206	22743
63.95	7353	40413	67.20	8563	40174	70.45	23194	33901	73.70	34341	22537
+64.00	+7111	-40456	+67.25	-8804	-40121	+70.50	-23397	-33761	+73.75	-34476	-22331
64.05	6868	40498	67.30	9045	40068	70.55	23599	33620	73.80	34609	22124
64.10	6625	40538	67.35	9285	40013	70.60	23800	33478	73.85	34741	21916
64.15	6382	40577	67.40	9525	39956	70.65	24001	33335	73.90	34872	21707
64.20	6138	40615	67.45	9764	39899	70.70	24200	33190	73.95	35002	21497
+64.25	+5894	-40651	+67.50	-10004	-39839	+70.75	-24399	-33044	+74.00	-35130	-21287

$4\pi W_e \times 10^4$

$n = 0$			$n = 0$			$n = 2$			$n = 2$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+74.00	-35130	-21287	+77.00	-40377	-7547	-100	0	0	-6.5	-157	+79
74.05	35257	21076	77.05	40422	7304	95	0	0	6.4	163	81
74.10	35383	20864	77.10	40465	7062	90	0	0	6.3	168	83
74.15	35508	20651	77.15	40507	6819	85	0	0	6.2	174	85
74.20	35631	20438	77.20	40547	6575	80	0	0	6.1	181	87
+74.25	-35753	-20223	+77.25	-40585	-6332	-75	0	0	-6.0	-187	+89
74.30	35874	20009	77.30	40623	6088	70	0	0	5.9	194	92
74.35	35993	19793	77.35	40659	5845	65	0	+1	5.8	202	94
74.40	36111	19577	77.40	40693	5601	60	0	1	5.7	209	96
74.45	36228	19360	77.45	40726	5356	55	0	1	5.6	217	99
+74.50	-36344	-19142	+77.50	-40757	-5112	-50	-1	+1	-5.5	-226	+102
74.55	36458	18923	77.55	40787	4867	45	1	1	5.4	235	104
74.60	36571	18704	77.60	40816	4622	40	1	2	5.3	244	107
74.65	36682	18485	77.65	40843	4377	35	2	3	5.2	254	110
74.70	36792	18264	77.70	40868	4132	30	3	4	5.1	265	113
+74.75	-36901	-18043	+77.75	-40892	-3887	-25.0	-5	+6	-5.0	-276	+117
74.80	37009	17821	77.80	40915	3642	24.5	5	6	4.9	287	120
74.85	37115	17599	77.85	40936	3396	24.0	5	7	4.8	300	123
74.90	37220	17376	77.90	40955	3150	23.5	5	7	4.7	313	127
74.95	37324	17152	77.95	40974	2905	23.0	6	7	4.6	326	131
+75.00	-37426	-16928	+78.00	-40990	-2659	-22.5	-6	+8	-4.5	-341	+135
75.05	37527	16703	78.05	41005	2413	22.0	7	8	4.4	357	139
75.10	37626	16478	78.10	41019	2167	21.5	7	8	4.3	373	144
75.15	37725	16252	78.15	41031	1920	21.0	8	9	4.2	390	148
75.20	37821	16025	78.20	41042	1674	20.5	8	9	4.1	409	153
+75.25	-37917	-15798	+78.25	-41052	-1428	-20.0	-9	+10	-4.0	-429	+158
75.30	38011	15570	78.30	41059	1182	19.5	10	10	3.9	450	163
75.35	38104	15342	78.35	41066	935	19.0	10	11	3.8	473	169
75.40	38195	15113	78.40	41071	689	18.5	11	12	3.7	497	175
75.45	38285	14883	78.45	41074	442	18.0	12	12	3.6	522	181
+75.50	-38374	-14653	+78.50	-41076	-196	-17.5	-13	+13	-3.5	-550	+187
75.55	38461	14423	78.55	41076	+51	17.0	14	14	3.4	579	194
75.60	38547	14192	78.60	41075	297	16.5	15	15	3.3	611	201
75.65	38631	13960	78.65	41073	543	16.0	17	16	3.2	645	208
75.70	38714	13728	78.70	41069	790	15.5	18	17	3.1	681	216
+75.75	-38796	-13496	+78.75	-41063	+1036	-15.0	-20	+18	-3.00	-721	+225
75.80	38876	13263	78.80	41056	1283	14.5	22	19	2.99	725	226
75.85	38955	13029	78.85	41048	1529	14.0	24	21	2.98	729	227
75.90	39033	12795	78.90	41038	1775	13.5	26	22	2.97	733	228
75.95	39109	12561	78.95	41027	2021	13.0	29	24	2.96	737	229
+76.00	-39183	-12326	+79.00	-41014	+2268	-12.5	-33	+26	-2.95	-741	+229
76.05	39257	12091	79.05	40999	2514	12.0	36	28	2.94	746	230
76.10	39328	11855	79.10	40984	2760	11.5	40	30	2.93	750	231
76.15	39399	11619	79.15	40966	3005	11.0	45	32	2.92	754	232
76.20	39468	11382	79.20	40948	3251	10.5	51	35	2.91	759	233
+76.25	-39536	-11145	+79.25	-40927	+3497	-10.0	-57	+39	-2.90	-763	+234
76.30	39602	10908	79.30	40906	3742	9.5	65	42	2.89	767	235
76.35	39666	10670	79.35	40882	3988	9.0	74	46	2.88	772	236
76.40	39730	10432	79.40	40858	4233	8.5	85	51	2.87	776	237
76.45	39792	10193	79.45	40832	4478	8.0	98	57	2.86	781	238
+76.50	-39852	-9954	+79.50	-40804	+4723	-7.5	-114	+63	-2.85	-785	+239
76.55	39911	9715	79.55	40775	4968	7.4	117	64	2.84	790	239
76.60	39969	9475	79.60	40744	5212	7.3	121	66	2.83	795	240
76.65	40025	9235	79.65	40712	5457	7.2	125	67	2.82	799	241
76.70	40079	8995	79.70	40679	5701	7.1	129	69	2.81	804	242
+76.75	-40133	-8754	+79.75	-40644	+5945	-7.0	-133	+70	-2.80	-809	+243
76.80	40184	8513	79.80	40608	6188	6.9	138	72	2.79	813	244
76.85	40235	8272	79.85	40570	6432	6.8	142	74	2.78	818	245
76.90	40284	8031	79.90	40530	6675	6.7	147	75	2.77	823	246
76.95	40331	7789	79.95	40490	6918	6.6	152	77	2.76	828	247
+77.00	-40377	-7547	+80.00	-40447	+7161	-6.5	-157	+79	-2.75	-833	+248

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-2.75	-833	+248	-2.15	-1214	+321	-1.55	-1855	+429	-0.95	-2979	+599
2.74	838	249	2.14	1222	322	1.54	1869	431	0.94	3004	603
2.73	843	250	2.13	1230	324	1.53	1883	434	0.93	3029	607
2.72	848	251	2.12	1238	325	1.52	1897	436	0.92	3054	610
2.71	853	252	2.11	1246	327	1.51	1911	438	0.91	3079	614
-2.70	-858	+253	-2.10	-1255	+328	-1.50	-1926	+441	-0.90	-3105	+618
2.69	863	254	2.09	1263	330	1.49	1940	443	0.89	3131	621
2.68	868	255	2.08	1272	331	1.48	1955	445	0.88	3157	625
2.67	873	256	2.07	1280	333	1.47	1970	448	0.87	3183	629
2.66	879	257	2.06	1289	334	1.46	1985	450	0.86	3210	633
-2.65	-884	+259	-2.05	-1298	+336	-1.45	-2000	+452	-0.85	-3237	+637
2.64	889	260	2.04	1307	337	1.44	2016	455	0.84	3264	640
2.63	895	261	2.03	1316	339	1.43	2031	457	0.83	3291	644
2.62	900	262	2.02	1325	340	1.42	2047	460	0.82	3319	648
2.61	906	263	2.01	1334	342	1.41	2063	462	0.81	3347	652
-2.60	-911	+264	-2.00	-1343	+344	-1.40	-2079	+465	-0.80	-3375	+656
2.59	917	265	1.99	1352	345	1.39	2095	467	0.79	3403	660
2.58	922	266	1.98	1362	347	1.38	2111	470	0.78	3431	665
2.57	928	267	1.97	1371	349	1.37	2127	472	0.77	3460	669
2.56	934	268	1.96	1380	350	1.36	2144	475	0.76	3489	673
-2.55	-940	+269	-1.95	-1390	+352	-1.35	-2161	+477	-0.75	-3519	+677
2.54	945	271	1.94	1400	354	1.34	2178	480	0.74	3548	681
2.53	951	272	1.93	1409	355	1.33	2195	482	0.73	3578	686
2.52	957	273	1.92	1419	357	1.32	2212	485	0.72	3608	690
2.51	963	274	1.91	1429	359	1.31	2229	488	0.71	3638	694
-2.50	-969	+275	-1.90	-1439	+360	-1.30	-2247	+490	-0.70	-3669	+699
2.49	975	276	1.89	1449	362	1.29	2264	493	0.69	3700	703
2.48	981	278	1.88	1460	364	1.28	2282	496	0.68	3731	707
2.47	987	279	1.87	1470	366	1.27	2300	499	0.67	3762	712
2.46	994	280	1.86	1480	367	1.26	2319	501	0.66	3794	717
-2.45	-1000	+281	-1.85	-1491	+369	-1.25	-2337	+504	-0.65	-3826	+721
2.44	1006	282	1.84	1501	371	1.24	2356	507	0.64	3858	726
2.43	1012	284	1.83	1512	373	1.23	2374	510	0.63	3890	730
2.42	1019	285	1.82	1523	375	1.22	2393	513	0.62	3923	735
2.41	1025	286	1.81	1534	376	1.21	2412	515	0.61	3956	740
-2.40	-1032	+287	-1.80	-1545	+378	-1.20	-2432	+518	-0.60	-3989	+745
2.39	1038	288	1.79	1556	380	1.19	2451	521	0.59	4022	749
2.38	1045	290	1.78	1567	382	1.18	2471	524	0.58	4056	754
2.37	1052	291	1.77	1578	384	1.17	2491	527	0.57	4090	759
2.36	1058	292	1.76	1590	386	1.16	2511	530	0.56	4124	764
-2.35	-1065	+294	-1.75	-1601	+388	-1.15	-2531	+533	-0.55	-4159	+769
2.34	1072	295	1.74	1613	390	1.14	2551	536	0.54	4193	774
2.33	1079	296	1.73	1624	392	1.13	2572	539	0.53	4228	779
2.32	1086	297	1.72	1636	394	1.12	2593	543	0.52	4264	784
2.31	1093	299	1.71	1648	396	1.11	2614	546	0.51	4299	789
-2.30	-1100	+300	-1.70	-1660	+398	-1.10	-2635	+549	-0.50	-4335	+795
2.29	1107	301	1.69	1672	400	1.09	2657	552	0.49	4371	800
2.28	1114	303	1.68	1685	402	1.08	2678	555	0.48	4407	805
2.27	1122	304	1.67	1697	404	1.07	2700	558	0.47	4443	810
2.26	1129	305	1.66	1709	406	1.06	2722	562	0.46	4480	816
-2.25	-1136	+307	-1.65	-1722	+408	-1.05	-2745	+565	-0.45	-4517	+821
2.24	1144	308	1.64	1735	410	1.04	2767	568	0.44	4554	826
2.23	1151	309	1.63	1748	412	1.03	2790	572	0.43	4592	832
2.22	1159	311	1.62	1761	414	1.02	2813	575	0.42	4629	838
2.21	1166	312	1.61	1774	416	1.01	2836	578	0.41	4667	843
-2.20	-1174	+314	-1.60	-1787	+418	-1.00	-2859	+582	-0.40	-4705	+849
2.19	1182	315	1.59	1800	420	0.99	2883	585	0.39	4743	854
2.18	1190	316	1.58	1814	423	0.98	2907	589	0.38	4782	860
2.17	1198	318	1.57	1827	425	0.97	2931	592	0.37	4821	866
2.16	1206	319	1.56	1841	427	0.96	2955	596	0.36	4860	872
-2.15	-1214	+321	-1.55	-1855	+429	-0.95	-2979	+599	-0.35	-4899	+878

$$\bar{\omega} = 0.12$$

$$n = 2$$

$$4\pi W_e \times 10^4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-0.35	-4899	+ 878	+0.25	-7419	+1320	+0.85	- 9423	+1932	+1.45	-10533	+2655
0.34	4938	883	0.26	7459	1329	0.86	9448	1944	1.46	10546	2668
0.33	4978	889	0.27	7500	1338	0.87	9473	1955	1.47	10558	2681
0.32	5018	895	0.28	7540	1347	0.88	9498	1966	1.48	10571	2693
0.31	5058	901	0.29	7580	1356	0.89	9522	1978	1.49	10583	2706
-0.30	-5098	+ 908	+0.30	-7620	+1366	+0.90	- 9547	+1989	+1.50	-10595	+2719
0.29	5138	914	0.31	7659	1375	0.91	9570	2001	1.55	10652	2782
0.28	5179	920	0.32	7699	1384	0.92	9594	2012	1.60	10705	2846
0.27	5219	926	0.33	7738	1393	0.93	9618	2024	1.65	10755	2911
0.26	5260	932	0.34	7777	1402	0.94	9641	2035	1.70	10802	2976
-0.25	-5301	+ 939	+0.35	-7816	+1412	+0.95	- 9664	+2047	+1.75	-10845	+3041
0.24	5342	945	0.36	7854	1421	0.96	9687	2059	1.80	10885	3106
0.23	5384	951	0.37	7893	1431	0.97	9709	2070	1.85	10923	3171
0.22	5425	958	0.38	7931	1440	0.98	9731	2082	1.90	10957	3237
0.21	5467	965	0.39	7969	1450	0.99	9753	2093	1.95	10989	3303
-0.20	-5509	+ 971	+0.40	-8006	+1459	+1.00	- 9775	+2105	+2.00	-11018	+3369
0.19	5551	978	0.41	8043	1469	1.01	9797	2117	2.05	11045	3435
0.18	5593	984	0.42	8080	1479	1.02	9818	2129	2.10	11069	3501
0.17	5635	991	0.43	8117	1488	1.03	9839	2140	2.15	11091	3568
0.16	5677	998	0.44	8154	1498	1.04	9860	2152	2.20	11111	3634
-0.15	-5720	+1005	+0.45	-8190	+1508	+1.05	- 9880	+2164	+2.25	-11128	+3701
0.14	5762	1012	0.46	8226	1518	1.06	9901	2176	2.30	11144	3768
0.13	5805	1019	0.47	8262	1528	1.07	9921	2188	2.35	11158	3835
0.12	5847	1026	0.48	8298	1538	1.08	9941	2200	2.40	11170	3902
0.11	5890	1033	0.49	8333	1548	1.09	9960	2212	2.45	11180	3969
-0.10	-5933	+1040	+0.50	-8368	+1558	+1.10	- 9980	+2224	+2.50	-11188	+4036
0.09	5976	1047	0.51	8403	1568	1.11	9999	2236	2.55	11195	4103
0.08	6019	1054	0.52	8437	1578	1.12	10018	2248	2.60	11200	4170
0.07	6062	1061	0.53	8472	1588	1.13	10037	2260	2.65	11204	4237
0.06	6105	1069	0.54	8506	1598	1.14	10055	2272	2.70	11206	4305
-0.05	-6148	+1076	+0.55	-8539	+1608	+1.15	-10074	+2284	+2.75	-11206	+4372
0.04	6191	1083	0.56	8573	1619	1.16	10092	2296	2.80	11206	4439
0.03	6234	1091	0.57	8606	1629	1.17	10110	2308	2.85	11203	4506
0.02	6277	1098	0.58	8639	1639	1.18	10128	2320	2.90	11200	4573
-0.01	-6320	+1106	0.59	8672	1650	1.19	10145	2332	2.95	11195	4641
0.00	-6363	+1114	+0.60	-8704	+1660	+1.20	-10162	+2345	+3.00	-11189	+4708
+0.01	6406	1121	0.61	8736	1670	1.21	10179	2357	3.05	11182	4775
0.02	6449	1129	0.62	8768	1681	1.22	10196	2369	3.10	11174	4842
0.03	6492	1137	0.63	8799	1691	1.23	10213	2381	3.15	11165	4909
0.04	6535	1144	0.64	8831	1702	1.24	10230	2394	3.20	11154	4976
+0.05	-6578	+1152	+0.65	-8862	+1713	+1.25	-10246	+2406	+3.25	-11143	+5043
0.06	6621	1160	0.66	8892	1723	1.26	10262	2418	3.30	11130	5110
0.07	6664	1168	0.67	8923	1734	1.27	10278	2430	3.35	11116	5176
0.08	6707	1176	0.68	8953	1745	1.28	10294	2443	3.40	11102	5243
0.09	6750	1184	0.69	8983	1756	1.29	10309	2455	3.45	11086	5310
+0.10	-6792	+1193	+0.70	-9012	+1766	+1.30	-10325	+2468	+3.50	-11070	+5376
0.11	6835	1201	0.71	9041	1777	1.31	10340	2480	3.55	11052	5443
0.12	6877	1209	0.72	9070	1788	1.32	10355	2492	3.60	11034	5509
0.13	6920	1217	0.73	9099	1799	1.33	10369	2505	3.65	11015	5575
0.14	6962	1226	0.74	9128	1810	1.34	10384	2517	3.70	10995	5641
+0.15	-7004	+1234	+0.75	-9156	+1821	+1.35	-10398	+2530	+3.75	-10974	+5707
0.16	7046	1242	0.76	9184	1832	1.36	10413	2542	3.80	10953	5773
0.17	7088	1251	0.77	9211	1843	1.37	10427	2555	3.85	10930	5838
0.18	7130	1259	0.78	9239	1854	1.38	10441	2567	3.90	10907	5904
0.19	7172	1268	0.79	9266	1865	1.39	10454	2580	3.95	10883	5969
+0.20	-7214	+1277	+0.80	-9293	+1876	+1.40	-10468	+2592	+4.00	-10859	+6035
0.21	7255	1285	0.81	9319	1887	1.41	10481	2605	4.1	10807	6165
0.22	7296	1294	0.82	9346	1899	1.42	10495	2618	4.2	10753	6294
0.23	7337	1303	0.83	9372	1910	1.43	10508	2630	4.3	10696	6423
0.24	7378	1312	0.84	9397	1921	1.44	10521	2643	4.4	10636	6551
+0.25	-7419	+1320	+0.85	-9423	+1932	+1.45	-10533	+2655	+4.5	-10574	+6678

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 4.5	-10574	+ 6678	+11.0	-3113	+12360	+17.5	+ 6438	+10998	+24.0	+12298	+3298
4.6	10509	6804	11.1	2966	12396	17.6	6569	10920	24.1	12336	3150
4.7	10442	6930	11.2	2818	12431	17.7	6699	10840	24.2	12373	3002
4.8	10373	7055	11.3	2670	12464	17.8	6828	10759	24.3	12408	2853
4.9	10301	7179	11.4	2522	12495	17.9	6957	10677	24.4	12441	2704
+ 5.0	-10227	+ 7302	+11.5	-2373	+12525	+18.0	+ 7084	+10592	+24.5	+12473	+2554
5.1	10151	7424	11.6	2224	12552	18.1	7210	10507	24.6	12503	2405
5.2	10073	7546	11.7	2074	12578	18.2	7335	10419	24.7	12530	2254
5.3	9993	7666	11.8	1924	12602	18.3	7460	10330	24.8	12556	2104
5.4	9911	7785	11.9	1774	12624	18.4	7583	10240	24.9	12581	1953
+ 5.5	-9827	+ 7904	+12.0	-1624	+12645	+18.5	+ 7705	+10148	+25.0	+12603	+1802
5.6	9741	8021	12.1	1473	12663	18.6	7826	10055	25.1	12624	1651
5.7	9654	8138	12.2	1322	12680	18.7	7945	9961	25.2	12642	1499
5.8	9564	8253	12.3	1171	12695	18.8	8064	9865	25.3	12659	1347
5.9	9473	8367	12.4	1019	12708	18.9	8182	9767	25.4	12674	1195
+ 6.0	-9380	+ 8480	+12.5	- 868	+12719	+19.0	+ 8298	+ 9668	+25.5	+12688	+1043
6.1	9285	8592	12.6	716	12729	19.1	8413	9568	25.6	12699	891
6.2	9189	8703	12.7	564	12737	19.2	8527	9466	25.7	12709	738
6.3	9091	8813	12.8	412	12742	19.3	8640	9363	25.8	12716	585
6.4	8991	8921	12.9	260	12746	19.4	8751	9259	25.9	12722	433
+ 6.5	-8890	+ 9029	+13.0	- 108	+12749	+19.5	+ 8861	+ 9153	+26.0	+12727	+ 280
6.6	8787	9135	13.1	44	12749	19.6	8970	9046	26.1	12729	+ 127
6.7	8683	9239	13.2	196	12748	19.7	9078	8938	26.2	12729	- 25
6.8	8577	9343	13.3	348	12744	19.8	9184	8829	26.3	12728	178
6.9	8470	9445	13.4	500	12739	19.9	9289	8718	26.4	12725	331
+ 7.0	-8361	+ 9546	+13.5	+ 652	+12732	+20.0	+ 9393	+ 8606	+26.5	+12720	- 484
7.1	8251	9646	13.6	804	12724	20.1	9495	8492	26.6	12713	636
7.2	8139	9744	13.7	956	12713	20.2	9596	8378	26.7	12704	789
7.3	8026	9841	13.8	1108	12701	20.3	9696	8262	26.8	12694	941
7.4	7912	9937	13.9	1259	12686	20.4	9794	8145	26.9	12682	1093
+ 7.5	-7797	+10031	+14.0	+1411	+12670	+20.5	+ 9890	+ 8027	+27.0	+12668	-1245
7.6	7680	10124	14.1	1562	12653	20.6	9986	7907	27.1	12652	1397
7.7	7562	10216	14.2	1713	12633	20.7	10080	7787	27.2	12634	1549
7.8	7443	10306	14.3	1864	12611	20.8	10172	7666	27.3	12614	1701
7.9	7322	10394	14.4	2014	12588	20.9	10263	7543	27.4	12593	1852
+ 8.0	-7201	+10482	+14.5	+2165	+12563	+21.0	+10353	+ 7419	+27.5	+12570	-2003
8.1	7078	10567	14.6	2315	12536	21.1	10441	7294	27.6	12545	2153
8.2	6954	10651	14.7	2464	12508	21.2	10527	7169	27.7	12518	2304
8.3	6829	10734	14.8	2614	12477	21.3	10612	7042	27.8	12489	2454
8.4	6703	10815	14.9	2763	12445	21.4	10696	6914	27.9	12459	2603
+ 8.5	-6575	+10895	+15.0	+2911	+12411	+21.5	+10778	+ 6785	+28.0	+12427	-2753
8.6	6447	10973	15.1	3059	12375	21.6	10859	6655	28.1	12393	2902
8.7	6318	11049	15.2	3207	12337	21.7	10937	6525	28.2	12357	3050
8.8	6188	11124	15.3	3354	12298	21.8	11015	6393	28.3	12319	3198
8.9	6056	11198	15.4	3501	12257	21.9	11091	6260	28.4	12280	3346
+ 9.0	-5924	+11270	+15.5	+3647	+12214	+22.0	+11165	+ 6127	+28.5	+12239	-3493
9.1	5791	11340	15.6	3793	12169	22.1	11237	5992	28.6	12196	3640
9.2	5657	11409	15.7	3938	12123	22.2	11308	5857	28.7	12151	3786
9.3	5522	11476	15.8	4083	12075	22.3	11377	5721	28.8	12105	3931
9.4	5386	11541	15.9	4227	12025	22.4	11445	5584	28.9	12057	4076
+ 9.5	-5249	+11605	+16.0	+4371	+11973	+22.5	+11511	+ 5446	+29.0	+12007	-4221
9.6	5112	11667	16.1	4514	11920	22.6	11575	5308	29.1	11955	4364
9.7	4974	11728	16.2	4656	11865	22.7	11638	5169	29.2	11902	4507
9.8	4835	11787	16.3	4797	11808	22.8	11699	5029	29.3	11847	4650
9.9	4695	11844	16.4	4938	11750	22.9	11758	4888	29.4	11790	4792
+10.0	-4554	+11899	+16.5	+5079	+11690	+23.0	+11816	+ 4746	+29.5	+11732	-4933
10.1	4413	11953	16.6	5218	11628	23.1	11872	4604	29.6	11672	5073
10.2	4271	12005	16.7	5357	11564	23.2	11926	4461	29.7	11610	5213
10.3	4128	12056	16.8	5495	11499	23.3	11979	4318	29.8	11547	5352
10.4	3985	12104	16.9	5632	11433	23.4	12029	4174	29.9	11481	5490
+10.5	-3841	+12151	+17.0	+5768	+11364	+23.5	+12078	+ 4029	+30.0	+11415	-5627
10.6	3697	12196	17.1	5904	11294	23.6	12126	3884	30.1	11346	5764
10.7	3552	12240	17.2	6039	11222	23.7	12171	3738	30.2	11276	5900
10.8	3406	12282	17.3	6173	11149	23.8	12215	3592	30.3	11204	6034
10.9	3260	12322	17.4	6306	11074	23.9	12257	3445	30.4	11131	6168
+11.0	-3113	+12360	+17.5	+6438	+10998	+24.0	+12298	+ 3298	+30.5	+11056	-6301

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+30.5	+11056	-6301	+37.0	+3425	-12254	+43.5	-6185	-11119	+50.0	-12218	-3555
30.6	10980	6434	37.1	3278	12295	43.6	6318	11044	50.1	12260	3408
30.7	10901	6565	37.2	3130	12333	43.7	6450	10968	50.2	12300	3260
30.8	10822	6695	37.3	2982	12370	43.8	6581	10890	50.3	12339	3112
30.9	10741	6825	37.4	2833	12405	43.9	6711	10810	50.4	12375	2964
+31.0	+10658	-6953	+37.5	+2684	-12438	+44.0	-6841	-10729	+50.5	-12410	-2815
31.1	10574	7080	37.6	2534	12469	44.1	6969	10646	50.6	12443	2666
31.2	10488	7207	37.7	2385	12499	44.2	7096	10561	50.7	12474	2517
31.3	10400	7332	37.8	2234	12526	44.3	7222	10475	50.8	12503	2367
31.4	10312	7456	37.9	2084	12552	44.4	7348	10388	50.9	12531	2217
+31.5	+10221	-7580	+38.0	+1933	-12577	+44.5	-7472	-10299	+51.0	-12557	-2066
31.6	10130	7702	38.1	1782	12599	44.6	7595	10209	51.1	12581	1915
31.7	10036	7823	38.2	1631	12619	44.7	7717	10117	51.2	12603	1764
31.8	9942	7943	38.3	1479	12638	44.8	7838	10024	51.3	12623	1613
31.9	9846	8061	38.4	1327	12655	44.9	7958	9929	51.4	12641	1461
+32.0	+9748	-8179	+38.5	+1175	-12670	+45.0	-8076	-9833	+51.5	-12658	-1310
32.1	9649	8296	38.6	1023	12683	45.1	8194	9735	51.6	12673	1158
32.2	9549	8411	38.7	871	12694	45.2	8310	9636	51.7	12686	1005
32.3	9447	8525	38.8	718	12704	45.3	8425	9536	51.8	12697	853
32.4	9344	8638	38.9	566	12712	45.4	8539	9434	51.9	12706	701
+32.5	+9240	-8749	+39.0	+413	-12717	+45.5	-8651	-9331	+52.0	-12714	-548
32.6	9134	8859	39.1	261	12721	45.6	8763	9226	52.1	12719	396
32.7	9027	8968	39.2	+108	12724	45.7	8873	9120	52.2	12723	243
32.8	8919	9076	39.3	-45	12724	45.8	8982	9013	52.3	12725	-90
32.9	8809	9183	39.4	198	12722	45.9	9089	8905	52.4	12725	+62
+33.0	+8698	-9288	+39.5	-350	-12719	+46.0	-9195	-8795	+52.5	-12724	+215
33.1	8586	9391	39.6	503	12714	46.1	9300	8684	52.6	12720	368
33.2	8473	9494	39.7	656	12707	46.2	9404	8572	52.7	12715	520
33.3	8358	9595	39.8	808	12698	46.3	9506	8458	52.8	12707	673
33.4	8242	9694	39.9	960	12688	46.4	9607	8344	52.9	12698	825
+33.5	+8125	-9792	+40.0	-1113	-12675	+46.5	-9706	-8228	+53.0	-12688	+977
33.6	8007	9889	40.1	1265	12661	46.6	9804	8111	53.1	12675	1130
33.7	7888	9985	40.2	1417	12645	46.7	9901	7993	53.2	12660	1282
33.8	7768	10079	40.3	1568	12627	46.8	9996	7873	53.3	12644	1433
33.9	7646	10171	40.4	1720	12607	46.9	10090	7753	53.4	12626	1585
+34.0	+7524	-10262	+40.5	-1871	-12585	+47.0	-10183	-7631	+53.5	-12606	+1736
34.1	7400	10352	40.6	2022	12562	47.1	10273	7508	53.6	12584	1887
34.2	7275	10440	40.7	2173	12537	47.2	10363	7384	53.7	12561	2038
34.3	7149	10526	40.8	2323	12510	47.3	10450	7260	53.8	12536	2189
34.4	7022	10611	40.9	2473	12481	47.4	10537	7134	53.9	12508	2339
+34.5	+6894	-10695	+41.0	-2623	-12450	+47.5	-10622	-7007	+54.0	-12480	+2489
34.6	6766	10777	41.1	2772	12418	47.6	10705	6879	54.1	12449	2639
34.7	6636	10857	41.2	2921	12384	47.7	10787	6750	54.2	12416	2788
34.8	6505	10936	41.3	3069	12348	47.8	10867	6620	54.3	12382	2937
34.9	6373	11013	41.4	3217	12310	47.9	10945	6489	54.4	12346	3085
+35.0	+6241	-11089	+41.5	-3365	-12271	+48.0	-11023	-6357	+54.5	-12308	+3233
35.1	6107	11163	41.6	3512	12229	48.1	11098	6224	54.6	12268	3380
35.2	5973	11235	41.7	3658	12186	48.2	11172	6091	54.7	12227	3527
35.3	5837	11306	41.8	3804	12142	48.3	11244	5956	54.8	12184	3674
35.4	5701	11376	41.9	3949	12095	48.4	11315	5821	54.9	12139	3820
+35.5	+5564	-11443	+42.0	-4094	-12047	+48.5	-11384	-5685	+55.0	-12092	+3965
35.6	5426	11509	42.1	4239	11997	48.6	11451	5548	55.1	12044	4110
35.7	5288	11573	42.2	4382	11945	48.7	11517	5410	55.2	11994	4254
35.8	5149	11636	42.3	4525	11892	48.8	11581	5271	55.3	11942	4398
35.9	5009	11697	42.4	4668	11837	48.9	11644	5132	55.4	11888	4541
+36.0	+4868	-11756	+42.5	-4809	-11780	+49.0	-11704	-4992	+55.5	-11833	+4683
36.1	4726	11814	42.6	4950	11721	49.1	11763	4851	55.6	11775	4825
36.2	4584	11870	42.7	5090	11661	49.2	11821	4709	55.7	11717	4966
36.3	4441	11924	42.8	5230	11599	49.3	11877	4567	55.8	11656	5106
36.4	4298	11976	42.9	5369	11535	49.4	11931	4424	55.9	11594	5246
+36.5	+4154	-12027	+43.0	-5507	-11470	+49.5	-11983	-4281	+56.0	-11530	+5385
36.6	4009	12076	43.1	5644	11403	49.6	12033	4137	56.1	11465	5523
36.7	3864	12123	43.2	5780	11335	49.7	12082	3992	56.2	11398	5660
36.8	3718	12169	43.3	5916	11265	49.8	12129	3847	56.3	11329	5796
36.9	3572	12212	43.4	6051	11193	49.9	12175	3701	56.4	11259	5932
+37.0	+3425	-12254	+43.5	-6185	-11119	+50.0	-12218	-3555	+56.5	-11187	+6066

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+56.5	-11187	+6066	+62.5	-4411	+11937	+68.5	+4555	+11883	+74.5	+11259	+5931
56.6	11113	6200	62.6	4267	11989	68.6	4697	11827	74.6	11330	5795
56.7	11038	6333	62.7	4123	12040	68.7	4839	11770	74.7	11398	5659
56.8	10961	6465	62.8	3979	12088	68.8	4980	11711	74.8	11466	5522
56.9	10883	6596	62.9	3833	12135	68.9	5120	11651	74.9	11531	5384
+57.0	-10803	+6726	+63.0	-3688	+12180	+69.0	+5259	+11589	+75.0	+11595	+5245
57.1	10722	6855	63.1	3541	12224	69.1	5398	11525	75.1	11657	5105
57.2	10639	6984	63.2	3394	12265	69.2	5536	11459	75.2	11717	4965
57.3	10554	7111	63.3	3247	12305	69.3	5673	11392	75.3	11776	4824
57.4	10468	7237	63.4	3099	12343	69.4	5809	11323	75.4	11833	4682
+57.5	-10381	+7362	+63.5	-2951	+12380	+69.5	+5945	+11252	+75.5	+11889	+4540
57.6	10292	7486	63.6	2802	12414	69.6	6079	11180	75.6	11942	4397
57.7	10201	7609	63.7	2653	12447	69.7	6213	11107	75.7	11994	4253
57.8	10109	7731	63.8	2503	12478	69.8	6346	11031	75.8	12044	4109
57.9	10016	7852	63.9	2353	12507	69.9	6478	10954	75.9	12093	3964
+58.0	-9921	+7971	+64.0	-2203	+12534	+70.0	+6609	+10876	+76.0	+12140	+3819
58.1	9825	8090	64.1	2053	12560	70.1	6739	10796	76.1	12184	3673
58.2	9727	8207	64.2	1902	12583	70.2	6868	10714	76.2	12228	3526
58.3	9628	8323	64.3	1751	12605	70.3	6996	10631	76.3	12269	3379
58.4	9527	8438	64.4	1599	12625	70.4	7123	10546	76.4	12309	3232
+58.5	-9425	+8552	+64.5	-1447	+12644	+70.5	+7249	+10460	+76.5	+12347	+3084
58.6	9322	8664	64.6	1296	12660	70.6	7374	10372	76.6	12383	2936
58.7	9217	8775	64.7	1143	12675	70.7	7498	10283	76.7	12417	2787
58.8	9111	8885	64.8	991	12687	70.8	7621	10192	76.8	12450	2638
58.9	9004	8994	64.9	839	12698	70.9	7743	10100	76.9	12480	2488
+59.0	-8896	+9102	+65.0	-866	+12708	+71.0	+7863	+10006	+77.0	+12509	+2338
59.1	8786	9208	65.1	534	12715	71.1	7983	9911	77.1	12537	2188
59.2	8675	9312	65.2	381	12720	71.2	8101	9815	77.2	12562	2037
59.3	8562	9416	65.3	229	12724	71.3	8218	9717	77.3	12585	1887
59.4	8448	9518	65.4	-76	12726	71.4	8334	9618	77.4	12607	1735
+59.5	-8334	+9618	+65.5	+77	+12726	+71.5	+8449	+9517	+77.5	+12627	+1584
59.6	8217	9718	65.6	230	12724	71.6	8563	9415	77.6	12645	1432
59.7	8100	9816	65.7	382	12720	71.7	8675	9311	77.7	12661	1281
59.8	7982	9912	65.8	535	12715	71.8	8786	9207	77.8	12676	1129
59.9	7862	10007	65.9	687	12707	71.9	8896	9101	77.9	12688	976
+60.0	-7742	+10101	+66.0	+840	+12698	+72.0	+9005	+8993	+78.0	+12699	+824
60.1	7620	10193	66.1	992	12687	72.1	9112	8885	78.1	12708	672
60.2	7497	10284	66.2	1144	12674	72.2	9218	8775	78.2	12715	519
60.3	7373	10373	66.3	1296	12660	72.3	9322	8663	78.3	12721	367
60.4	7248	10461	66.4	1448	12643	72.4	9425	8551	78.4	12724	214
+60.5	-7122	+10547	+66.5	+1600	+12625	+72.5	+9527	+8437	+78.5	+12726	+61
60.6	6995	10631	66.6	1751	12605	72.6	9628	8322	78.6	12725	-91
60.7	6867	10715	66.7	1902	12583	72.7	9727	8206	78.7	12723	244
60.8	6737	10796	66.8	2053	12559	72.8	9825	8089	78.8	12720	397
60.9	6607	10876	66.9	2204	12534	72.9	9921	7970	78.9	12714	549
+61.0	-6476	+10955	+67.0	+2354	+12507	+73.0	+10016	+7851	+79.0	+12707	-702
61.1	6344	11032	67.1	2504	12477	73.1	10109	7730	79.1	12697	854
61.2	6212	11107	67.2	2653	12446	73.2	10201	7608	79.2	12686	1007
61.3	6078	11181	67.3	2802	12414	73.3	10292	7485	79.3	12673	1159
61.4	5943	11253	67.4	2951	12379	73.4	10381	7361	79.4	12658	1311
+61.5	-5808	+11323	+67.5	+3100	+12343	+73.5	+10468	+7236	+79.5	+12641	-1463
61.6	5672	11392	67.6	3247	12305	73.6	10554	7110	79.6	12623	1614
61.7	5534	11459	67.7	3395	12265	73.7	10639	6983	79.7	12603	1766
61.8	5397	11525	67.8	3542	12223	73.8	10722	6855	79.8	12581	1917
61.9	5258	11589	67.9	3688	12180	73.9	10803	6726	79.9	12557	2068
+62.0	-5119	+11651	+68.0	+3834	+12135	+74.0	+10883	+6596	+80.0	+12531	-2218
62.1	4978	11712	68.1	3979	12088	74.1	10962	6464			
62.2	4838	11771	68.2	4124	12039	74.2	11038	6332			
62.3	4696	11828	68.3	4268	11989	74.3	11114	6199			
62.4	4554	11883	68.4	4412	11937	74.4	11187	6066			
+62.5	-4411	+11937	+68.5	+4555	+11883	+74.5	+11259	+5931			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	-4.0	-280	+127	+8.0	-1212	+1901	+20.0	+1673	+1534
95	0	0	3.8	300	134	8.2	1171	1929	20.2	1709	1493
90	0	0	3.6	322	142	8.4	1129	1957	20.4	1744	1452
85	0	0	3.4	347	150	8.6	1087	1983	20.6	1778	1410
80	0	0	3.2	373	158	8.8	1044	2009	20.8	1810	1367
-75	0	+1	-3.0	-401	+168	+9.0	-999	+2034	+21.0	+1842	+1323
70	0	1	2.8	432	178	9.2	954	2057	21.2	1873	1278
65	0	1	2.6	465	188	9.4	909	2079	21.4	1903	1233
60	0	1	2.4	500	200	9.6	862	2100	21.6	1932	1187
55	0	1	2.2	539	212	9.8	815	2121	21.8	1959	1140
-50	0	+1	-2.0	-580	+226	+10.0	-767	+2140	+22.0	+1986	+1093
45	-1	1	1.8	624	240	10.2	719	2157	22.2	2011	1045
40	1	2	1.6	672	256	10.4	670	2174	22.4	2035	996
35	2	3	1.4	722	273	10.6	620	2190	22.6	2058	947
30	2	4	1.2	774	290	10.8	570	2204	22.8	2080	898
-25.0	-4	+6	-1.0	-820	+310	+11.0	-519	+2217	+23.0	+2101	+847
24.5	5	6	0.8	887	330	11.2	468	2229	23.2	2120	797
24.0	5	6	0.6	946	352	11.4	417	2239	23.4	2138	746
23.5	5	7	0.4	1006	376	11.6	366	2249	23.6	2155	694
23.0	6	7	-0.2	1067	401	11.8	314	2257	23.8	2171	642
-22.5	-6	+7	0.0	-1120	+427	+12.0	-261	+2264	+24.0	+2185	+590
22.0	7	8	+0.2	1189	455	12.2	209	2270	24.2	2199	537
21.5	7	8	0.4	1248	484	12.4	156	2274	24.4	2210	484
21.0	8	9	0.6	1305	515	12.6	103	2277	24.6	2221	431
20.5	8	9	0.8	1360	547	12.8	-50	2279	24.8	2231	378
-20.0	-9	+10	+1.0	-1411	+580	+13.0	+3	+2280	+25.0	+2239	+324
19.5	9	10	1.2	1459	614	13.2	56	2279	25.2	2246	270
19.0	10	11	1.4	1504	650	13.4	109	2277	25.4	2251	216
18.5	11	11	1.6	1544	686	13.6	162	2274	25.6	2256	162
18.0	11	12	1.8	1580	724	13.8	215	2269	25.8	2259	108
-17.5	-12	+13	+2.0	-1612	+762	+14.0	+269	+2263	+26.0	+2260	+54
17.0	13	13	2.2	1640	801	14.2	322	2256	26.2	2261	0
16.5	15	14	2.4	1664	841	14.4	374	2248	26.4	2260	-55
16.0	16	15	2.6	1684	881	14.6	427	2238	26.6	2258	109
15.5	17	16	2.8	1699	922	14.8	480	2227	26.8	2254	163
-15.0	-19	+17	+3.0	-1712	+963	+15.0	+532	+2215	+27.0	+2249	-217
14.5	21	18	3.2	1720	1004	15.2	584	2202	27.2	2243	271
14.0	23	20	3.4	1725	1045	15.4	635	2187	27.4	2236	325
13.5	25	21	3.6	1727	1087	15.6	687	2171	27.6	2227	378
13.0	27	23	3.8	1726	1128	15.8	737	2154	27.8	2218	432
-12.5	-30	+24	+4.0	-1722	+1169	+16.0	+788	+2136	+28.0	+2206	-485
12.0	33	26	4.2	1715	1211	16.2	838	2116	28.2	2194	538
11.5	37	28	4.4	1706	1252	16.4	888	2096	28.4	2180	590
11.0	41	31	4.6	1694	1293	16.6	937	2074	28.6	2165	642
10.5	45	33	4.8	1680	1333	16.8	986	2051	28.8	2149	694
-10.0	-51	+36	+5.0	-1663	+1373	+17.0	+1034	+2026	+29.0	+2132	-745
9.5	57	39	5.2	1644	1413	17.2	1081	2001	29.2	2113	796
9.0	64	43	5.4	1624	1452	17.4	1128	1974	29.4	2093	847
8.5	73	47	5.6	1602	1491	17.6	1175	1947	29.6	2072	897
8.0	83	52	5.8	1577	1529	17.8	1220	1918	29.8	2050	946
-7.5	-95	+57	+6.0	-1551	+1567	+18.0	+1266	+1888	+30.0	+2027	-995
7.0	109	63	6.2	1524	1603	18.2	1310	1857	30.2	2002	1044
6.5	126	70	6.4	1494	1640	18.4	1353	1825	30.4	1976	1091
6.0	146	78	6.6	1463	1675	18.6	1396	1792	30.6	1949	1138
5.5	170	88	6.8	1431	1710	18.8	1438	1758	30.8	1921	1185
-5.0	-200	+99	+7.0	-1398	+1744	+19.0	+1480	+1723	+31.0	+1892	-1231
4.8	213	104	7.2	1363	1777	19.2	1520	1687	31.2	1862	1276
4.6	228	109	7.4	1327	1809	19.4	1560	1650	31.4	1831	1320
4.4	244	115	7.6	1289	1841	19.6	1598	1612	31.6	1798	1364
4.2	261	121	7.8	1251	1871	19.8	1636	1574	31.8	1765	1406
-4.0	-280	+127	+8.0	-1212	+1901	+20.0	+1673	+1534	+32.0	+1731	-1448

$$4\pi W_e \times 10^4$$

$$\tilde{\omega} = 0.12$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+32.0	+1731	-1448	+44.0	-1213	-1902	+56.0	-2045	+956	+68.0	+680	+2153
32.2	1695	1489	44.2	1258	1872	56.2	2021	1004	68.2	732	2136
32.4	1659	1530	44.4	1303	1841	56.4	1996	1053	68.4	783	2118
32.6	1622	1569	44.6	1347	1809	56.6	1970	1100	68.6	833	2098
32.8	1583	1607	44.8	1390	1777	56.8	1943	1147	68.8	883	2078
+33.0	+1544	-1645	+45.0	-1432	-1743	+57.0	-1915	+1194	+69.0	+933	+2056
33.2	1504	1681	45.2	1473	1708	57.2	1886	1239	69.2	982	2033
33.4	1463	1717	45.4	1514	1672	57.4	1856	1284	69.4	1030	2009
33.6	1422	1752	45.6	1554	1635	57.6	1825	1328	69.6	1078	1983
33.8	1379	1785	45.8	1592	1597	57.8	1792	1372	69.8	1125	1957
+34.0	+1336	-1818	+46.0	-1630	-1559	+58.0	-1759	+1414	+70.0	+1172	+1929
34.2	1292	1849	46.2	1667	1519	58.2	1724	1456	70.2	1218	1901
34.4	1247	1880	46.4	1703	1479	58.4	1689	1497	70.4	1263	1871
34.6	1201	1909	46.6	1738	1438	58.6	1653	1537	70.6	1308	1840
34.8	1155	1937	46.8	1772	1395	58.8	1615	1576	70.8	1352	1808
+35.0	+1108	-1965	+47.0	-1805	-1353	+59.0	-1577	+1615	+71.0	+1395	+1775
35.2	1060	1990	47.2	1837	1309	59.2	1538	1652	71.2	1437	1741
35.4	1012	2015	47.4	1868	1264	59.4	1498	1688	71.4	1478	1706
35.6	963	2039	47.6	1898	1219	59.6	1457	1724	71.6	1519	1670
35.8	914	2062	47.8	1927	1173	59.8	1415	1758	71.8	1558	1633
+36.0	+864	-2083	+48.0	-1955	-1127	+60.0	-1373	+1792	+72.0	+1597	+1595
36.2	814	2103	48.2	1981	1079	60.2	1329	1824	72.2	1635	1557
36.4	763	2122	48.4	2006	1032	60.4	1285	1856	72.4	1672	1517
36.6	712	2140	48.6	2031	983	60.6	1240	1886	72.6	1708	1476
36.8	660	2156	48.8	2054	934	60.8	1195	1915	72.8	1743	1435
+37.0	+608	-2171	+49.0	-2076	-885	+61.0	-1148	+1943	+73.0	+1777	+1393
37.2	556	2185	49.2	2096	834	61.2	1101	1970	73.2	1809	1350
37.4	503	2198	49.4	2116	784	61.4	1054	1996	73.4	1841	1306
37.6	450	2210	49.6	2134	733	61.6	1006	2021	73.6	1872	1261
37.8	397	2220	49.8	2151	681	61.8	957	2045	73.8	1902	1216
+38.0	+344	-2229	+50.0	-2167	-630	+62.0	-908	+2067	+74.0	+1931	+1170
38.2	290	2236	50.2	2181	577	62.2	858	2088	74.2	1958	1123
38.4	236	2243	50.4	2195	525	62.4	807	2108	74.4	1984	1076
38.6	182	2248	50.6	2207	472	62.6	757	2127	74.6	2010	1028
38.8	128	2251	50.8	2217	419	62.8	705	2144	74.8	2034	980
+39.0	+74	-2254	+51.0	-2227	-366	+63.0	-654	+2161	+75.0	+2057	+931
39.2	20	2255	51.2	2235	312	63.2	602	2176	75.2	2078	881
39.4	34	2255	51.4	2242	258	63.4	549	2190	75.4	2099	831
39.6	88	2253	51.6	2247	204	63.6	497	2202	75.6	2118	780
39.8	142	2251	51.8	2252	150	63.8	444	2213	75.8	2136	729
+40.0	-197	-2247	+52.0	-2255	-96	+64.0	-390	+2224	+76.0	+2153	+678
40.2	250	2241	52.2	2256	-42	64.2	337	2232	76.2	2169	626
40.4	304	2235	52.4	2257	12	64.4	283	2240	76.4	2183	574
40.6	358	2227	52.6	2256	66	64.6	230	2246	76.6	2196	521
40.8	411	2217	52.8	2253	120	64.8	176	2251	76.8	2208	468
+41.0	-464	-2207	+53.0	-2250	+174	+65.0	-122	+2254	+77.0	+2219	+415
41.2	517	2195	53.2	2245	228	65.2	67	2257	77.2	2228	362
41.4	570	2182	53.4	2239	282	65.4	-13	2258	77.4	2236	308
41.6	622	2168	53.6	2232	336	65.6	+41	2257	77.6	2243	254
41.8	674	2152	53.8	2223	389	65.8	95	2256	77.8	2248	200
+42.0	-725	-2136	+54.0	-2213	+442	+66.0	+149	+2253	+78.0	+2252	+146
42.2	776	2117	54.2	2202	495	66.2	203	2248	78.2	2255	92
42.4	827	2098	54.4	2189	548	66.4	257	2243	78.4	2257	38
42.6	877	2078	54.6	2175	600	66.6	311	2236	78.6	2257	-16
42.8	927	2056	54.8	2160	652	66.8	364	2228	78.8	2256	70
+43.0	-976	-2033	+55.0	-2144	+704	+67.0	+418	+2219	+79.0	+2254	-124
43.2	1025	2009	55.2	2127	755	67.2	471	2208	79.2	2250	178
43.4	1073	1984	55.4	2108	806	67.4	524	2196	79.4	2245	232
43.6	1120	1958	55.6	2088	856	67.6	576	2183	79.6	2239	286
43.8	1167	1930	55.8	2067	906	67.8	628	2168	79.8	2231	340
+44.0	-1213	-1902	+56.0	-2045	+956	+68.0	+680	+2153	+80.0	+2223	-393

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 6$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-75	0	0	0.0	-419	+234	+6.0	-525	+617	+20.0	+625	+575	+50.0	-803	-233
70	0	0	+0.1	426	239	6.1	521	623	20.5	657	536	50.5	816	184
65	0	0	0.2	432	244	6.2	516	630	21.0	687	496	51.0	825	135
60	0	0	0.3	439	249	6.3	512	636	21.5	715	454	51.5	832	85
55	0	+1	0.4	446	255	6.4	507	642	22.0	740	410	52.0	836	-35
-50	-1	+1	+0.5	-453	+260	+6.5	-503	+648	+22.5	+762	+365	+52.5	-836	+15
45	1	1	0.6	459	266	6.6	498	654	23.0	782	319	53.0	834	65
40	1	2	0.7	465	271	6.7	493	660	23.5	799	271	53.5	829	115
35	2	3	0.8	472	277	6.8	487	666	24.0	813	223	54.0	820	165
30	2	4	0.9	478	282	6.9	482	672	24.5	825	174	54.5	809	213
-25.0	-4	+6	+1.0	-484	+288	+7.0	-477	+677	+25.0	+833	+124	+55.0	-795	+262
24.5	5	6	1.1	490	294	7.1	471	683	25.5	838	74	55.5	778	309
24.0	5	6	1.2	495	300	7.2	465	689	26.0	841	+24	56.0	758	355
23.5	5	7	1.3	501	306	7.3	459	694	26.5	840	-27	56.5	735	400
23.0	5	7	1.4	506	312	7.4	453	700	27.0	836	77	57.0	710	443
-22.5	-6	+7	+1.5	-511	+318	+7.5	-447	+705	+27.5	+830	-127	+57.5	-682	+485
22.0	6	8	1.6	516	324	7.6	441	710	28.0	820	177	58.0	652	525
21.5	6	8	1.7	521	331	7.7	435	716	28.5	808	226	58.5	620	563
21.0	7	8	1.8	526	337	7.8	428	721	29.0	792	274	59.0	585	599
20.5	7	9	1.9	530	343	7.9	422	726	29.5	774	321	59.5	548	633
-20.0	-8	+9	+2.0	-534	+350	+8.0	-415	+731	+30.0	+753	-367	+60.0	-509	+665
19.5	8	10	2.1	538	356	8.1	408	736	30.5	729	411	60.5	468	694
19.0	9	10	2.2	542	362	8.2	401	741	31.0	703	454	61.0	426	721
18.5	10	11	2.3	545	369	8.3	394	746	31.5	674	495	61.5	382	745
18.0	11	11	2.4	549	375	8.4	387	750	32.0	643	535	62.0	337	767
-17.5	-11	+12	+2.5	-552	+382	+8.5	-380	+755	+32.5	+610	-573	+62.5	-290	+786
17.0	12	13	2.6	555	389	8.6	372	759	33.0	574	608	63.0	243	801
16.5	13	13	2.7	557	395	8.7	365	764	33.5	536	641	63.5	194	815
16.0	14	14	2.8	560	402	8.8	358	768	34.0	496	672	64.0	145	825
15.5	16	15	2.9	562	409	8.9	350	772	34.5	455	701	64.5	95	832
-15.0	-17	+16	+3.0	-564	+415	+9.0	-342	+776	+35.0	+412	-727	+65.0	-45	+836
14.5	18	17	3.1	566	422	9.1	334	780	35.5	367	750	65.5	+5	837
14.0	20	18	3.2	567	429	9.2	327	784	36.0	321	771	66.0	55	835
13.5	22	20	3.3	568	436	9.3	319	788	36.5	274	789	66.5	105	831
13.0	24	21	3.4	570	443	9.4	311	792	37.0	227	804	67.0	155	823
-12.5	-26	+22	+3.5	-570	+450	+9.5	-302	+796	+37.5	+178	-816	+67.5	+204	+812
12.0	28	24	3.6	571	456	9.6	294	799	38.0	128	825	68.0	252	798
11.5	31	26	3.7	571	463	9.7	286	803	38.5	78	832	68.5	300	782
11.0	35	28	3.8	572	470	9.8	278	806	39.0	+28	835	69.0	346	763
10.5	38	30	3.9	572	477	9.9	269	810	39.5	-22	835	69.5	391	740
-10.0	-42	+33	+4.0	-571	+484	+10.0	-261	+813	+40.0	-72	-832	+70.0	+435	+716
9.5	47	35	4.1	571	491	10.5	218	827	40.5	122	826	70.5	477	688
9.0	52	38	4.2	570	498	11.0	173	839	41.0	172	817	71.0	517	659
8.5	58	42	4.3	569	505	11.5	127	848	41.5	221	806	71.5	556	626
8.0	65	45	4.4	568	511	12.0	80	854	42.0	269	791	72.0	592	592
-7.5	-73	+49	+4.5	-567	+518	+12.5	-33	+858	+42.5	-316	-773	+72.5	+627	+555
7.0	82	54	4.6	566	525	13.0	+15	858	43.0	362	753	73.0	659	517
6.5	92	59	4.7	564	532	13.5	63	856	43.5	406	730	73.5	689	476
6.0	104	65	4.8	562	538	14.0	111	851	44.0	449	704	74.0	716	434
5.5	118	72	4.9	560	545	14.5	159	842	44.5	491	676	74.5	741	391
-5.0	-133	+79	+5.0	-558	+552	+15.0	+207	+831	+45.0	-531	-646	+75.0	+763	+346
4.5	151	88	5.1	555	559	15.5	254	818	45.5	569	613	75.5	782	299
4.0	171	97	5.2	553	565	16.0	301	801	46.0	604	577	76.0	799	252
3.5	194	108	5.3	550	572	16.5	346	781	46.5	638	540	76.5	812	203
3.0	219	121	5.4	547	578	17.0	391	759	47.0	669	501	77.0	823	154
-2.5	-248	+135	+5.5	-544	+585	+17.5	+434	+735	+47.5	-698	-460	+77.5	+831	+105
2.0	279	151	5.6	540	591	18.0	476	707	48.0	725	417	78.0	835	55
1.5	312	168	5.7	537	598	18.5	516	678	48.5	748	373	78.5	837	+4
1.0	347	188	5.8	533	604	19.0	554	645	49.0	769	327	79.0	836	-46
-0.5	383	210	5.9	529	611	19.5	591	611	49.5	788	281	79.5	832	96
0.0	-419	+234	+6.0	-525	+617	+20.0	+625	+575	+50.0	-803	-233	+80.0	+824	-146

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.12$$

$$n = 8$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+ 5.0	-240	+286	+30.0	+357	-172	+55.0	-376	+124
95	0	0	5.5	233	300	30.5	346	193	55.5	368	147
90	0	0	6.0	226	314	31.0	334	213	56.0	358	168
85	0	0	6.5	216	327	31.5	320	233	56.5	348	190
80	0	0	7.0	205	340	32.0	305	251	57.0	336	210
- 75	0	0	+ 7.5	-192	+352	+32.5	+289	-269	+57.5	-323	+230
70	0	0	8.0	178	363	33.0	272	286	58.0	308	249
65	0	+ 1	8.5	163	373	33.5	254	302	58.5	293	267
60	0	1	9.0	146	382	34.0	236	317	59.0	276	284
55	0	1	9.5	128	391	34.5	216	330	59.5	259	300
- 50	0	+ 1	+10.0	-110	+398	+35.0	+196	-343	+60.0	-241	+315
45	- 1	1	10.5	90	404	35.5	174	354	60.5	221	329
40	1	2	11.0	70	409	36.0	153	364	61.0	201	342
35	1	3	11.5	49	412	36.5	130	372	61.5	180	353
30	2	4	12.0	28	414	37.0	108	379	62.0	159	363
- 25	- 4	+ 5	+12.5	- 6	+415	+37.5	+ 85	-385	+62.5	-137	+372
24	5	6	13.0	+ 16	415	38.0	61	389	63.0	114	380
23	5	7	13.5	38	413	38.5	38	392	63.5	92	386
22	6	7	14.0	60	411	39.0	+ 14	394	64.0	68	391
21	6	8	14.5	83	406	39.5	- 10	394	64.5	45	394
- 20	- 7	+ 9	+15.0	+105	+401	+40.0	- 34	-393	+65.0	- 21	+396
19	8	10	15.5	127	394	40.5	57	390	65.5	+ 3	396
18	10	11	16.0	148	386	41.0	81	386	66.0	26	396
17	11	12	16.5	169	376	41.5	104	380	66.5	50	393
16	13	13	17.0	190	365	42.0	127	373	67.0	74	390
- 15	- 15	+ 15	+17.5	+210	+353	+42.5	-149	-365	+67.5	+ 97	+385
14	17	17	18.0	230	340	43.0	171	355	68.0	120	378
13	20	19	18.5	248	326	43.5	192	344	68.5	142	370
12	24	22	19.0	266	310	44.0	212	332	69.0	164	361
11	29	25	19.5	283	294	44.5	232	319	69.5	185	351
- 10	- 34	+ 29	+20.0	+299	+276	+45.0	-251	-305	+70.0	+206	+339
9	41	33	20.5	314	258	45.5	269	289	70.5	226	326
8	49	39	21.0	328	239	46.0	286	272	71.0	245	312
7	60	45	21.5	341	218	46.5	301	255	71.5	263	296
6	72	53	22.0	353	198	47.0	316	236	72.0	280	280
- 5	- 87	+ 62	+22.5	+363	+176	+47.5	-330	-217	+72.5	+297	+263
4	105	74	23.0	372	154	48.0	343	197	73.0	312	245
3	126	88	23.5	380	131	48.5	354	176	73.5	326	225
2	150	105	24.0	387	108	49.0	364	154	74.0	339	205
- 1	174	124	24.5	392	85	49.5	373	132	74.5	350	185
0.0	-198	+146	+25.0	+396	+ 61	+50.0	-380	-110	+75.0	+361	+163
+ 0.5	209	159	25.5	398	37	50.5	386	87	75.5	370	141
1.0	219	171	26.0	399	+ 13	51.0	390	63	76.0	378	119
1.5	228	185	26.5	399	- 11	51.5	394	40	76.5	384	96
2.0	235	199	27.0	397	34	52.0	395	- 16	77.0	389	73
+ 2.5	-240	+213	+27.5	+394	- 58	+52.5	-396	+ 8	+77.5	+393	+ 49
3.0	244	227	28.0	389	82	53.0	394	31	78.0	395	26
3.5	246	242	28.5	383	105	53.5	392	55	78.5	396	+ 2
4.0	246	257	29.0	376	128	54.0	388	78	79.0	395	- 22
4.5	244	272	29.5	367	150	54.5	382	102	79.5	393	45
+ 5.0	-240	+286	+30.0	+357	-172	+55.0	-376	+124	+80.0	+390	- 69

$$\bar{\omega} = 0.12$$

$$4\pi W_e \times 10^4$$

$n = 10$			$n = 10$			$n = 12$			$n = 12$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-100	0	0	+20	+163	+151	-100	0	0	+20	+96	+90
95	0	0	21	178	131	95	0	0	21	105	78
90	0	0	22	191	109	90	0	0	22	112	65
85	0	0	23	201	85	85	0	0	23	118	51
80	0	0	24	209	61	80	0	0	24	122	37
-75	0	+1	+25	+213	+35	-75	0	0	+25	+125	+22
70	0	1	26	215	+10	70	0	+1	26	126	+7
65	0	1	27	214	-16	65	0	1	27	125	-8
60	0	1	28	210	42	60	0	1	28	122	23
55	0	1	29	202	66	55	0	1	29	118	37
-50	0	+1	+30	+192	-90	-50	-1	+1	+30	+112	-51
45	-1	1	31	180	113	45	1	1	31	105	64
40	1	2	32	164	133	40	1	2	32	96	76
35	2	3	33	147	152	35	1	2	33	85	87
30	2	4	34	127	168	30	2	3	34	74	96
-25	-4	+5	+35	+105	-182	-25	-3	+5	+35	+61	-104
24	5	6	36	82	194	24	4	5	36	48	111
23	5	6	37	58	202	23	4	6	37	34	116
22	6	7	38	33	207	22	5	6	38	20	119
21	6	7	39	+8	210	21	5	7	39	+5	121
-20	-7	+8	+40	-18	-209	-20	-6	+7	+40	-10	-120
19	7	9	41	43	206	19	7	8	41	24	118
18	8	10	42	67	199	18	7	9	42	39	115
17	10	11	43	91	190	17	8	10	43	52	109
16	11	13	44	113	177	16	9	11	44	65	102
-15	-13	+14	+45	-134	-163	-15	-11	+12	+45	-77	-94
14	13	15	46	152	145	14	12	14	46	88	84
13	17	17	47	169	126	13	14	15	47	98	72
12	19	20	48	183	105	12	16	17	48	106	60
11	23	22	49	195	82	11	18	19	49	112	47
-10	-26	+25	+50	-203	-58	-10	-21	+21	+50	-117	-33
9	31	28	51	209	34	9	23	24	51	121	19
8	36	32	52	211	-8	8	27	27	52	122	-4
7	42	37	53	211	+17	7	30	30	53	122	+10
6	49	43	54	208	42	6	34	34	54	120	25
-5	-58	+49	+55	-201	+67	-5	-39	+39	+55	-116	+39
4	67	56	56	192	90	4	43	43	56	111	53
3	76	65	57	180	113	3	48	49	57	104	65
2	87	75	58	165	133	2	53	55	58	95	77
-1	97	86	59	148	152	-1	58	62	59	86	88
0	-106	+98	+60	-129	+169	0	-61	+69	+60	-74	+98
+1	114	111	61	108	183	+1	64	76	61	62	106
2	119	125	62	85	195	2	66	84	62	49	113
3	122	140	63	61	203	3	67	92	63	35	118
4	121	154	64	37	209	4	65	100	64	21	121
+5	-117	+169	+65	-11	+212	+5	-62	+108	+65	-6	+123
6	110	182	66	+14	212	6	58	115	66	+8	123
7	99	195	67	39	209	7	52	122	67	23	121
8	85	206	68	64	203	8	44	127	68	37	117
9	69	215	69	88	194	9	35	132	69	51	112
+10	-50	+223	+70	+110	+182	+10	-24	+136	+70	+64	+105
11	30	227	71	131	167	11	-13	138	71	76	97
12	-8	230	72	150	150	12	0	139	72	87	87
13	+15	229	73	167	131	13	+12	138	73	96	76
14	38	226	74	182	110	14	25	136	74	105	64
+15	+61	+220	+75	+194	+88	+15	+38	+132	+75	+112	+51
16	84	212	76	203	64	16	51	126	76	117	37
17	105	200	77	209	39	17	64	120	77	121	23
18	126	186	78	212	+14	18	76	111	78	122	+8
19	145	170	79	212	-11	19	86	101	79	123	-7
+20	+163	+151	+80	+209	-37	+20	+96	+90	+80	+121	-21

$n = 14$			$n = 16$			$n = 18$			$n = 20$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-80	0	0	-80	0	0	-80	0	0	-80	0	0
75	0	0	75	0	0	75	0	0	75	0	0
70	0	0	70	0	0	70	0	0	70	0	0
65	0	+1	65	0	0	65	0	+1	65	0	+1
60	0	1	60	0	+1	60	0	1	60	0	1
-55	0	+1	-55	0	+1	-55	0	+1	-55	0	+1
50	0	1	50	0	1	50	0	1	50	0	1
45	-1	1	45	-1	1	45	0	1	45	-1	1
40	1	2	40	1	2	40	-1	2	40	1	1
35	1	2	35	1	2	35	1	2	35	1	2
-30	-2	+3	-30	-2	+3	-30	-2	+3	-30	-2	+3
28	3	4	28	2	4	28	2	4	28	2	4
26	3	5	26	3	4	26	3	4	26	2	4
24	4	5	24	3	5	24	3	5	24	3	4
22	4	6	22	4	5	22	4	5	22	3	5
-20	-5	+7	-20	-4	+6	-20	-4	+6	-20	-3	+5
18	6	8	18	5	8	18	5	7	18	4	6
16	8	10	16	6	9	16	5	8	16	4	7
14	10	12	14	8	11	14	6	9	14	5	8
12	13	15	12	10	13	12	8	11	12	6	10
-10	-16	+18	-10	-12	+15	-10	-9	+13	-10	-7	+11
8	20	22	8	15	19	8	11	15	8	8	13
6	24	28	6	17	22	6	12	18	6	9	15
4	29	34	4	20	27	4	14	21	4	10	17
-2	34	41	-2	22	32	-2	15	25	-2	10	19
0	-37	+50	0	-24	+37	0	-15	+28	0	-10	+22
+2	39	59	+2	24	43	+2	15	32	+2	10	24
4	37	68	4	22	48	4	13	35	4	8	26
6	32	77	6	18	53	6	11	38	6	6	28
8	23	83	8	13	57	8	7	40	8	4	29
+10	-11	+88	+10	-5	+59	+10	-2	+41	+10	-1	+30
12	+3	89	12	+4	60	12	+4	41	12	+3	30
14	18	86	14	13	58	14	10	40	14	7	28
16	33	80	16	23	53	16	16	36	16	11	26
18	48	70	18	31	47	18	21	32	18	15	23
+20	+60	+57	+20	+39	+38	+20	+26	+26	+20	+18	+19
22	70	42	22	45	28	22	30	20	22	20	14
24	75	24	24	49	17	24	32	12	24	22	9
26	77	+6	26	50	+5	26	33	+4	26	22	+4
28	75	-13	28	48	-7	28	31	-3	28	21	-1
+30	+69	-30	+30	+44	-18	+30	+29	-11	+30	+20	-6
32	59	45	32	38	28	32	25	17	32	17	11
34	45	58	34	29	36	34	19	22	34	13	14
36	30	67	36	19	41	36	12	26	36	9	17
38	+12	72	38	+8	45	38	+5	28	38	+4	18
+40	-6	-73	+40	-3	-45	+40	-2	-29	+40	-1	-19
42	23	69	42	15	43	42	9	27	42	6	18
44	40	62	44	25	38	44	16	24	44	10	16
46	53	50	46	34	31	46	22	20	46	14	13
48	64	36	48	40	22	48	26	14	48	17	9
+50	-71	-20	+50	-45	-12	+50	-29	-8	+50	-19	-5
52	74	-2	52	47	-1	52	30	-1	52	20	0
54	73	+15	54	46	+10	54	30	+7	54	20	+5
56	67	32	56	42	20	56	27	14	56	18	9
58	58	47	58	36	30	58	23	20	58	16	13
+60	-45	+60	+60	-29	+38	+60	-18	+25	+60	-12	+17
62	30	69	62	19	44	62	12	29	62	8	19
64	-13	74	64	-8	47	64	-5	31	64	-3	20
66	+5	75	66	+3	47	66	+2	31	66	+1	21
68	23	72	68	14	45	68	9	30	68	6	20
+70	+39	+64	+70	+25	+41	+70	+16	+27	+70	+10	+18
72	53	53	72	33	34	72	22	22	72	14	15
74	64	39	74	41	25	74	26	16	74	17	11
76	71	23	76	45	15	76	29	9	76	19	6
78	75	+5	78	47	+3	78	31	+2	78	20	+2
+80	+74	-13	+80	+47	-8	+80	+30	-5	+80	+20	-3

$$\bar{\omega} = 0.12$$

$$4\pi W_e \times 10^4$$

	$n = 22$		$n = 24$		$n = 26$		$n = 28$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-80	0	0	0	0	0	0	0	0
-75	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0
65	0	0	0	+1	0	0	0	+1
60	0	+1	0	1	0	+1	0	1
55	0	1	0	1	0	1	0	1
-50	0	+1	0	+1	0	+1	0	+1
45	-1	1	0	1	0	1	0	1
40	1	1	-1	1	0	1	0	1
35	1	2	1	2	-1	2	-1	2
30	1	3	1	2	1	2	1	2
-25	-2	+3	-2	+3	-1	+3	-1	+3
20	3	5	2	4	2	4	2	3
15	4	7	3	6	3	5	2	5
10	5	9	4	8	3	7	2	6
-5	7	13	5	11	4	9	3	7
0	-7	+17	-5	+13	-3	+11	-2	+9
+5	-5	21	-3	16	-2	12	-1	10
10	0	22	+1	17	+1	13	+1	10
15	+7	20	5	15	4	12	3	9
20	13	14	9	11	7	8	5	7
+25	+15	+5	+11	+4	+8	+4	+5	+3
30	13	-3	9	-2	7	-1	5	0
35	+8	10	+5	6	+4	4	+3	-2
40	-1	12	0	8	0	5	0	3
45	8	9	-6	6	-4	4	-3	2
+50	-13	-3	-9	-2	-6	-1	-4	-1
55	13	+5	9	+4	6	+3	4	+2
60	8	11	-5	8	-4	6	-3	4
65	-1	14	0	10	0	7	0	5
70	+7	12	+5	8	+3	6	+2	4
+75	+13	+6	+9	+4	+6	+3	+4	+2
+80	+14	-2	+9	-1	+6	-1	+5	-1

	$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-80	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0
60	0	+1	0	0	0	0	0	0	0	0	0	0
-50	0	+1	0	+1	0	+1	0	+1	0	+1	0	+1
40	0	1	0	1	0	1	0	1	0	1	0	1
30	-1	2	-1	2	-1	2	0	1	0	1	0	1
20	1	3	1	3	1	3	-1	2	-1	2	-1	2
-10	2	5	2	4	1	4	1	3	1	3	-1	2
0	-2	+7	-1	+6	-1	+5	-1	+4	-1	+4	0	+3
+10	+1	8	+1	6	+1	5	+1	4	0	4	0	3
20	4	+5	3	4	2	4	2	3	+1	3	+1	2
30	+4	0	+3	+1	+2	+1	+2	+1	+1	+1	+1	+1
40	0	-2	0	-1	0	-1	0	0	0	0	0	0
+50	-3	0	-2	0	-1	0	-1	0	-1	0	0	0
60	-2	+3	-1	+2	-1	+2	-1	+1	0	+1	0	+1
70	+2	+3	+1	+2	+1	+2	+1	+1	+1	+1	0	+1
+80	+3	0	+2	0	+2	0	+1	0	+1	0	+1	0

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+1	-8.5	-77	+55	-3.25	-759	+272	-2.10	-1919	+496
49	0	1	8.4	79	57	3.20	786	278	2.09	1937	499
48	0	1	8.3	82	58	3.15	813	285	2.08	1957	502
47	0	1	8.2	84	59	3.10	842	291	2.07	1976	505
46	0	1	8.1	87	61	3.05	872	298	2.06	1996	508
-45	0	+1	-8.0	-90	+62	-3.00	-904	+305	-2.05	-2015	+511
44	0	1	7.9	93	63	2.95	938	313	2.04	2036	515
43	0	1	7.8	96	65	2.90	973	320	2.03	2056	518
42	-1	1	7.7	99	67	2.85	1010	328	2.02	2077	521
41	1	2	7.6	102	68	2.80	1050	336	2.01	2098	525
-40	-1	+2	-7.5	-106	+70	-2.75	-1091	+345	-2.00	-2119	+528
39	1	2	7.4	109	72	2.70	1135	354	1.99	2141	531
38	1	2	7.3	113	73	2.65	1181	363	1.98	2163	535
37	1	2	7.2	117	75	2.60	1229	373	1.97	2185	538
36	1	2	7.1	121	77	2.55	1281	383	1.96	2208	542
-35	-1	+2	-7.0	-126	+79	-2.50	-1336	+393	-1.95	-2231	+545
34	1	2	6.9	130	81	2.49	1347	395	1.94	2254	549
33	1	3	6.8	135	83	2.48	1359	397	1.93	2278	553
32	1	3	6.7	140	85	2.47	1370	400	1.92	2302	556
31	2	3	6.6	146	88	2.46	1382	402	1.91	2326	560
-30	-2	+3	-6.5	-151	+90	-2.45	-1394	+404	-1.90	-2351	+564
29	2	4	6.4	157	93	2.44	1406	406	1.89	2376	567
28	2	4	6.3	163	95	2.43	1418	409	1.88	2401	571
27	3	4	6.2	170	98	2.42	1430	411	1.87	2427	575
26	3	5	6.1	177	101	2.41	1443	413	1.86	2454	579
-25	-3	+5	-6.0	-184	+103	-2.40	-1455	+416	-1.85	-2480	+583
24	4	6	5.9	192	106	2.39	1468	418	1.84	2507	587
23	4	7	5.8	200	109	2.38	1481	420	1.83	2535	591
22	5	7	5.7	208	113	2.37	1494	423	1.82	2563	595
21	6	8	5.6	218	116	2.36	1507	425	1.81	2591	599
-20	-7	+9	-5.5	-227	+120	-2.35	-1521	+427	-1.80	-2620	+603
19	8	10	5.4	237	123	2.34	1534	430	1.79	2649	608
18	9	12	5.3	248	127	2.33	1548	432	1.78	2679	612
17	11	13	5.2	260	131	2.32	1562	435	1.77	2709	616
16	13	15	5.1	272	135	2.31	1576	437	1.76	2740	621
-15	-16	+18	-5.0	-285	+140	-2.30	-1590	+440	-1.75	-2771	+625
14	20	20	4.9	299	145	2.29	1605	442	1.74	2802	629
13	24	24	4.8	314	150	2.28	1619	445	1.73	2835	634
12	30	28	4.7	330	155	2.27	1634	448	1.72	2867	639
11	38	34	4.6	347	160	2.26	1649	450	1.71	2901	643
-10.0	-50	+41	-4.5	-365	+166	-2.25	-1664	+453	-1.70	-2934	+648
9.9	51	41	4.4	384	172	2.24	1680	455	1.69	2969	653
9.8	52	42	4.3	405	178	2.23	1696	458	1.68	3004	657
9.7	54	43	4.2	427	185	2.22	1711	461	1.67	3039	662
9.6	55	44	4.1	452	192	2.21	1727	464	1.66	3075	667
-9.5	-57	+45	-4.0	-478	+199	-2.20	-1744	+466	-1.65	-3112	+672
9.4	59	46	3.9	506	207	2.19	1760	469	1.64	3149	677
9.3	60	47	3.8	536	215	2.18	1777	472	1.63	3187	682
9.2	62	48	3.7	569	224	2.17	1794	475	1.62	3226	687
9.1	64	49	3.6	605	234	2.16	1811	478	1.61	3265	692
-9.0	-66	+50	-3.50	-645	+244	-2.15	-1828	+481	-1.60	-3305	+698
8.9	68	51	3.45	666	249	2.14	1846	484			
8.8	70	52	3.40	687	255	2.13	1864	487			
8.7	72	53	3.35	710	261	2.12	1882	490			
8.6	74	54	3.30	734	266	2.11	1900	493			
-8.5	-77	+55	-3.25	-759	+272	-2.10	-1919	+496			

$$\bar{\omega} = 0.16$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.79169	+ 877	-0.11911	- 290	+1.00	+49151	-5463	+1.60	+43711	- 9879	
0.9	0.85148	983	0.08935	313	1.01	49002	5542	1.61	43654	9948	
0.8	0.92113	1105	0.06272	338	1.02	48857	5620	1.62	43598	10018	
0.7	1.00186	1245	0.03947	367	1.03	48715	5698	1.63	43542	10088	
0.6	1.09506	1397	0.01989	398	1.04	48576	5776	1.64	43487	10158	
-0.5	+1.20224	+1558	-0.00429	- 436	+1.05	+48440	-5854	+1.65	+43432	-10227	
0.4	1.32499	1715	+0.00695	474	1.06	48307	5931	1.66	43378	10296	
0.3	1.46487	1861	0.01345	517	1.07	48177	6008	1.67	43324	10366	
0.2	1.62331	1980	0.01478	565	1.08	48050	6085	1.68	43271	10435	
-0.1	1.80146	2049	+0.01046	614	1.09	47925	6162	1.69	43218	10504	
0.0	+2.00000	+2065	0.00000	- 668	+1.10	+47802	-6239	+1.70	+43166	-10573	
+0.1	2.21908	2017	-0.01714	722	1.11	47682	6315	1.71	43114	10642	
0.2	2.45823	1916	0.04150	771	1.12	47565	6391	1.72	43063	10711	
0.3	2.71645	1765	0.07357	816	1.13	47449	6467	1.73	43012	10780	
0.4	2.99227	1587	0.11380	856	1.14	47336	6543	1.74	42962	10849	
+0.5	+3.28394	+1398	-0.16259	- 894	+1.15	+47226	-6619	+1.75	+42912	-10918	
0.6	3.58958	1205	0.22032	925	1.16	47117	6694	1.76	42862	10986	
0.7	3.90728	1019	0.28730	953	1.17	47010	6769	1.77	42813	11055	
0.8	4.23520	850	0.36381	977	1.18	46905	6844	1.78	42764	11123	
0.9	4.57165	696	0.45009	995	1.19	46802	6919	1.79	42715	11192	
+1.0	+4.91509	+ 559	-0.54632	-1013	+1.20	+46701	-6994	+1.80	+42667	-11260	
	$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln t $				1.21	46602	7069	1.81	42619	11328	
	$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln t $				1.22	46505	7143	1.82	42572	11396	
					1.23	46409	7218	1.83	42525	11465	
					1.24	46315	7292	1.84	42478	11533	
					+1.25	+46222	-7366	+1.85	+42431	-11600	
					1.26	46131	7440	1.86	42385	11668	
					1.27	46042	7514	1.87	42339	11736	
					1.28	45954	7587	1.88	42294	11804	
					1.29	45867	7661	1.89	42248	11871	
-1.60	-3305	+698	-1.30	-4915	+ 891	+1.30	+45782	-7734	+1.90	+42203	-11939
1.59	3345	703	1.29	4986	899	1.31	45698	7807	1.91	42158	12007
1.58	3387	708	1.28	5059	907	1.32	45615	7880	1.92	42114	12074
1.57	3429	714	1.27	5134	915	1.33	45534	7953	1.93	42070	12141
1.56	3472	719	1.26	5210	924	1.34	45454	8026	1.94	42026	12209
-1.55	-3515	+725	-1.25	-5287	+ 932	+1.35	+45375	-8099	+1.95	+41982	-12276
1.54	3560	731	1.24	5367	941	1.36	45298	8171	1.96	41938	12343
1.53	3605	736	1.23	5448	949	1.37	45221	8243	1.97	41895	12410
1.52	3651	742	1.22	5530	958	1.38	45146	8316	1.98	41852	12477
1.51	3698	748	1.21	5615	967	1.39	45071	8388	1.99	41809	12544
-1.50	-3745	+754	-1.20	-5701	+ 976	+1.40	+44998	-8460	+2.00	+41767	-12611
1.49	3794	760	1.19	5790	985	1.41	44925	8532	2.05	41556	12944
1.48	3843	766	1.18	5880	995	1.42	44854	8604	2.10	41351	13276
1.47	3894	772	1.17	5972	1004	1.43	44784	8675	2.15	41149	13606
1.46	3945	778	1.16	6066	1014	1.44	44714	8747	2.20	40950	13934
-1.45	-3997	+785	-1.15	-6163	+1023	+1.45	+44646	-8819	+2.25	+40755	-14261
1.44	4050	791	1.14	6262	1033	1.46	44578	8890	2.30	40561	14586
1.43	4105	798	1.13	6363	1043	1.47	44511	8961	2.35	40370	14910
1.42	4160	804	1.12	6466	1054	1.48	44445	9032	2.40	40181	15232
1.41	4216	811	1.11	6572	1064	1.49	44380	9103	2.45	39993	15553
-1.40	-4274	+818	-1.10	-6680	+1075	+1.50	+44316	-9174	+2.50	+39806	-15872
1.39	4332	825	1.09	6791	1085	1.51	44252	9245	2.55	39620	16190
1.38	4392	832	1.08	6904	1096	1.52	44189	9316	2.60	39435	16506
1.37	4453	839	1.07	7020	1108	1.53	44127	9387	2.65	39250	16821
1.36	4515	846	1.06	7139	1119	1.54	44066	9457	2.70	39065	17134
-1.35	-4578	+853	-1.05	-7261	+1130	+1.55	+44005	-9528	+2.75	+38880	-17446
1.34	4643	861	1.04	7386	1142	1.56	43945	9598	2.80	38695	17756
1.33	4709	868	1.03	7514	1154	1.57	43886	9668	2.85	38510	18065
1.32	4776	876	1.02	7645	1166	1.58	43827	9738	2.90	38325	18372
1.31	4845	883	1.01	7779	1179	1.59	43769	9809	2.95	38139	18678
-1.30	-4915	+891	-1.00	-7917	+1191	+1.60	+43711	-9879	+3.00	+37952	-18982

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 0$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
+3.00	+37952	-18982	+6.00	+24139	-34112	+9.00	+5513	-41361	+12.00	-14261	-39218
3.05	37705	19285	6.05	23860	34304	9.05	5181	41404	12.05	14574	39103
3.10	37576	19586	6.10	23581	34494	9.10	4848	41444	12.10	14887	38985
3.15	37387	19886	6.15	23300	34681	9.15	4515	41481	12.15	15199	38865
3.20	37197	20185	6.20	23017	34867	9.20	4182	41516	12.20	15510	38742
+3.25	+37006	-20481	+6.25	+22734	-35050	+9.25	+3848	-41548	+12.25	-15820	-38617
3.30	36814	20777	6.30	22448	35230	9.30	3514	41578	12.30	16129	38489
3.35	36620	21070	6.35	22162	35409	9.35	3181	41604	12.35	16437	38358
3.40	36426	21363	6.40	21874	35585	9.40	2846	41628	12.40	16744	38226
3.45	36230	21654	6.45	21585	35759	9.45	2512	41650	12.45	17050	38091
+3.50	+36033	-21943	+6.50	+21295	-35930	+9.50	+2178	-41669	+12.50	-17355	-37953
3.55	35834	22230	6.55	21003	36100	9.55	1843	41685	12.55	17658	37813
3.60	35633	22515	6.60	20710	36266	9.60	1508	41698	12.60	17961	37671
3.65	35432	22800	6.65	20416	36431	9.65	1174	41709	12.65	18262	37526
3.70	35229	23082	6.70	20120	36593	9.70	839	41717	12.70	18562	37378
+3.75	+35024	-23364	+6.75	+19824	-36753	+9.75	+504	-41722	+12.75	-18861	-37229
3.80	34818	23643	6.80	19526	36910	9.80	169	41725	12.80	19159	37077
3.85	34611	23920	6.85	19227	37065	9.85	-166	41725	12.85	19455	36922
3.90	34402	24197	6.90	18927	37218	9.90	500	41723	12.90	19751	36766
3.95	34191	24471	6.95	18625	37368	9.95	835	41717	12.95	20045	36606
+4.00	+33980	-24744	+7.00	+18323	-37516	+10.00	-1170	-41709	+13.00	-20337	-36445
4.05	33766	25015	7.05	18019	37661	10.05	1505	41699	13.05	20629	36281
4.10	33550	25284	7.10	17715	37804	10.10	1839	41685	13.10	20919	36115
4.15	33333	25552	7.15	17409	37945	10.15	2173	41669	13.15	21207	35946
4.20	33114	25817	7.20	17102	38083	10.20	2508	41650	13.20	21494	35776
+4.25	+32894	-26081	+7.25	+16794	-38218	+10.25	-2842	-41629	+13.25	-21780	-35603
4.30	32672	26344	7.30	16486	38351	10.30	3175	41605	13.30	22065	35427
4.35	32448	26604	7.35	16176	38482	10.35	3509	41578	13.35	22348	35250
4.40	32222	26863	7.40	15865	38610	10.40	3843	41549	13.40	22630	35070
4.45	31995	27120	7.45	15553	38736	10.45	4176	41516	13.45	22910	34887
+4.50	+31766	-27375	+7.50	+15240	-38859	+10.50	-4509	-41482	+13.50	-23189	-34703
4.55	31535	27628	7.55	14927	38980	10.55	4841	41444	13.55	23466	34516
4.60	31303	27879	7.60	14612	39098	10.60	5173	41404	13.60	23742	34328
4.65	31069	28129	7.65	14297	39214	10.65	5505	41361	13.65	24016	34137
4.70	30833	28377	7.70	13980	39327	10.70	5837	41316	13.70	24289	33943
+4.75	+30596	-28622	+7.75	+13663	-39437	+10.75	-6168	-41268	+13.75	-24560	-33748
4.80	30357	28866	7.80	13345	39545	10.80	6499	41217	13.80	24829	33550
4.85	30117	29108	7.85	13026	39651	10.85	6829	41164	13.85	25097	33351
4.90	29874	29348	7.90	12707	39754	10.90	7159	41108	13.90	25364	33149
4.95	29630	29586	7.95	12386	39854	10.95	7488	41050	13.95	25628	32945
+5.00	+29385	-29822	+8.00	+12065	-39952	+11.00	-7817	-40989	+14.00	-25892	-32739
5.05	29138	30056	8.05	11743	40047	11.05	8145	40925	14.05	26153	32530
5.10	28889	30289	8.10	11420	40140	11.10	8473	40858	14.10	26413	32320
5.15	28638	30519	8.15	11097	40230	11.15	8801	40789	14.15	26671	32108
5.20	28386	30747	8.20	10773	40317	11.20	9127	40717	14.20	26927	31893
+5.25	+28132	-30973	+8.25	+10449	-40402	+11.25	-9454	-40643	+14.25	-27182	-31677
5.30	27877	31197	8.30	10123	40484	11.30	9779	40566	14.30	27434	31459
5.35	27620	31419	8.35	9797	40564	11.35	10104	40487	14.35	27685	31238
5.40	27361	31639	8.40	9471	40641	11.40	10428	40405	14.40	27935	31016
5.45	27101	31857	8.45	9144	40716	11.45	10752	40320	14.45	28182	30791
+5.50	+26840	-32072	+8.50	+8816	-40788	+11.50	-11075	-40233	+14.50	-28428	-30565
5.55	26576	32286	8.55	8488	40857	11.55	11397	40143	14.55	28672	30337
5.60	26311	32497	8.60	8159	40923	11.60	11718	40050	14.60	28914	30106
5.65	26045	32707	8.65	7830	40987	11.65	12039	39955	14.65	29154	29874
5.70	25777	32914	8.70	7500	41049	11.70	12359	39857	14.70	29393	29640
+5.75	+25508	-33119	+8.75	+7170	-41107	+11.75	-12678	-39757	+14.75	-29629	-29404
5.80	25237	33322	8.80	6840	41163	11.80	12996	39655	14.80	29864	29166
5.85	24964	33523	8.85	6509	41217	11.85	13314	39549	14.85	30096	28926
5.90	24691	33722	8.90	6177	41268	11.90	13630	39441	14.90	30327	28684
5.95	24415	33918	8.95	5845	41316	11.95	13946	39331	14.95	30556	28441
+6.00	+24139	-34112	+9.00	+5513	-41361	+12.00	-14261	-39218	+15.00	-30783	-28195

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+15.00	-30783	-28195	+18.00	-40337	-10791	+21.00	-40770	+9058	+24.00	-31985	+26862
15.05	31008	27948	18.05	40423	10468	21.05	40696	9384	24.05	31769	27117
15.10	31231	27699	18.10	40505	10144	21.10	40620	9709	24.10	31551	27371
15.15	31452	27448	18.15	40585	9819	21.15	40541	10034	24.15	31331	27622
15.20	31671	27196	18.20	40663	9494	21.20	40459	10358	24.20	31109	27872
+15.25	-31887	-26941	+18.25	-40737	-9169	+21.25	-40375	+10681	+24.25	-30885	+28120
15.30	32102	26685	18.30	40810	8843	21.30	40289	11004	24.30	30659	28366
15.35	32315	26428	18.35	40879	8516	21.35	40199	11326	24.35	30432	28611
15.40	32526	26168	18.40	40946	8188	21.40	40108	11647	24.40	30202	28853
15.45	32734	25907	18.45	41010	7861	21.45	40013	11967	24.45	29970	29094
+15.50	-32941	-25645	+18.50	-41072	-7532	+21.50	-39916	+12287	+24.50	-29737	+29333
15.55	33145	25380	18.55	41131	7203	21.55	39817	12606	24.55	29501	29570
15.60	33347	25114	18.60	41188	6874	21.60	39715	12924	24.60	29264	29805
15.65	33548	24847	18.65	41241	6544	21.65	39610	13242	24.65	29024	30038
15.70	33746	24577	18.70	41293	6214	21.70	39503	13558	24.70	28783	30269
+15.75	-33941	-24307	+18.75	-41341	-5884	+21.75	-39393	+13874	+24.75	-28540	+30498
15.80	34135	24034	18.80	41387	5553	21.80	39281	14188	24.80	28295	30726
15.85	34326	23761	18.85	41430	5221	21.85	39167	14502	24.85	28049	30951
15.90	34516	23485	18.90	41471	4890	21.90	39050	14815	24.90	27800	31174
15.95	34703	23208	18.95	41509	4558	21.95	38930	15127	24.95	27550	31396
+16.00	-34888	-22930	+19.00	-41544	-4226	+22.00	-38808	+15438	+25.00	-27298	+31615
16.05	35070	22650	19.05	41576	3893	22.05	38683	15748	25.05	27044	31833
16.10	35250	22369	19.10	41606	3561	22.10	38556	16057	25.10	26789	32048
16.15	35428	22086	19.15	41634	3228	22.15	38426	16365	25.15	26531	32261
16.20	35604	21802	19.20	41658	2894	22.20	38294	16672	25.20	26273	32472
+16.25	-35778	-21517	+19.25	-41680	-2561	+22.25	-38160	+16978	+25.25	-26012	+32681
16.30	35949	21230	19.30	41700	2228	22.30	38023	17282	25.30	25750	32888
16.35	36118	20941	19.35	41717	1894	22.35	37883	17586	25.35	25486	33093
16.40	36284	20652	19.40	41731	1560	22.40	37742	17888	25.40	25220	33296
16.45	36448	20361	19.45	41742	1226	22.45	37597	18190	25.45	24953	33497
+16.50	-36610	-20069	+19.50	-41751	-893	+22.50	-37451	+18490	+25.50	-24685	+33696
16.55	36770	19775	19.55	41757	558	22.55	37302	18789	25.55	24414	33892
16.60	36927	19480	19.60	41760	224	22.60	37150	19087	25.60	24142	34086
16.65	37082	19184	19.65	41760	110	22.65	36997	19383	25.65	23869	34278
16.70	37234	18887	19.70	41758	444	22.70	36840	19679	25.70	23594	34468
+16.75	-37385	-18588	+19.75	-41754	+778	+22.75	-36682	+19973	+25.75	-23318	+34656
16.80	37532	18289	19.80	41746	1112	22.80	36521	20266	25.80	23040	34841
16.85	37678	17988	19.85	41736	1446	22.85	36358	20557	25.85	22760	35024
16.90	37821	17686	19.90	41723	1780	22.90	36192	20847	25.90	22479	35205
16.95	37961	17383	19.95	41708	2114	22.95	36024	21136	25.95	22197	35384
+17.00	-38099	-17079	+20.00	-41690	+2447	+23.00	-35854	+21424	+26.00	-21914	+35560
17.05	38235	16773	20.05	41669	2781	23.05	35682	21710	26.05	21628	35735
17.10	38368	16467	20.10	41645	3114	23.10	35507	21995	26.10	21342	35906
17.15	38498	16159	20.15	41619	3447	23.15	35330	22278	26.15	21054	36076
17.20	38627	15851	20.20	41590	3780	23.20	35151	22560	26.20	20765	36243
+17.25	-38752	-15541	+20.25	-41559	+4112	+23.25	-34969	+22840	+26.25	-20474	+36408
17.30	38876	15231	20.30	41525	4445	23.30	34786	23119	26.30	20182	36571
17.35	38997	14919	20.35	41488	4777	23.35	34600	23397	26.35	19889	36731
17.40	39115	14607	20.40	41449	5109	23.40	34411	23673	26.40	19595	36889
17.45	39231	14294	20.45	41407	5440	23.45	34221	23947	26.45	19299	37045
+17.50	-39344	-13979	+20.50	-41362	+5771	+23.50	-34028	+24220	+26.50	-19002	+37198
17.55	39455	13664	20.55	41315	6102	23.55	33834	24492	26.55	18704	37349
17.60	39563	13348	20.60	41265	6432	23.60	33637	24762	26.60	18405	37497
17.65	39669	13031	20.65	41212	6762	23.65	33438	25030	26.65	18104	37643
17.70	39772	12714	20.70	41157	7091	23.70	33236	25297	26.70	17803	37787
+17.75	-39872	-12395	+20.75	-41099	+7420	+23.75	-33033	+25562	+26.75	-17500	+37928
17.80	39971	12076	20.80	41038	7749	23.80	32827	25825	26.80	17196	38067
17.85	40066	11755	20.85	40975	8077	23.85	32620	26087	26.85	16891	38203
17.90	40159	11435	20.90	40909	8405	23.90	32410	26347	26.90	16585	38337
17.95	40249	11113	20.95	40841	8732	23.95	32198	26606	26.95	16278	38469
+18.00	-40337	-10791	+21.00	-40770	+9058	+24.00	-31985	+26862	+27.00	-15969	+38598

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+27.00	-15969	+38598	+30.00	+3656	+41611	+33.00	+22456	+35221	+36.00	+36181	+20871
27.05	15660	38724	30.05	3989	41580	33.05	22737	35040	36.05	36347	20581
27.10	15350	38848	30.10	4322	41547	33.10	23017	34857	36.10	36511	20289
27.15	15039	38970	30.15	4654	41511	33.15	23295	34671	36.15	36672	19997
27.20	14726	39089	30.20	4986	41472	33.20	23572	34484	36.20	36830	19703
+27.25	-14413	+39205	+30.25	+5317	+41431	+33.25	+23847	+34294	+36.25	+36987	+19407
27.30	14099	39319	30.30	5649	41387	33.30	24120	34102	36.30	37141	19111
27.35	13784	39431	30.35	5979	41341	33.35	24392	33908	36.35	37293	18813
27.40	13468	39540	30.40	6310	41292	33.40	24663	33712	36.40	37442	18514
27.45	13152	39646	30.45	6640	41240	33.45	24932	33514	36.45	37589	18214
+27.50	-12834	+39750	+30.50	+6970	+41186	+33.50	+25199	+33313	+36.50	+37733	+17913
27.55	12516	39851	30.55	7299	41128	33.55	25464	33111	36.55	37875	17610
27.60	12197	39950	30.60	7628	41069	33.60	25728	32906	36.60	38015	17307
27.65	11877	40047	30.65	7956	41006	33.65	25991	32699	36.65	38152	17002
27.70	11556	40140	30.70	8284	40941	33.70	26252	32490	36.70	38287	16696
+27.75	-11235	+40232	+30.75	+8611	+40874	+33.75	+26511	+32279	+36.75	+38419	+16390
27.80	10912	40320	30.80	8938	40804	33.80	26768	32066	36.80	38549	16082
27.85	10590	40406	30.85	9264	40731	33.85	27024	31851	36.85	38677	15773
27.90	10266	40490	30.90	9589	40655	33.90	27278	31633	36.90	38801	15463
27.95	9942	40570	30.95	9914	40577	33.95	27530	31414	36.95	38924	15152
+28.00	-9617	+40649	+31.00	+10238	+40497	+34.00	+27780	+31193	+37.00	+39044	+14840
28.05	9292	40724	31.05	10562	40414	34.05	28029	30970	37.05	39161	14527
28.10	8965	40797	31.10	10885	40328	34.10	28276	30745	37.10	39276	14214
28.15	8639	40868	31.15	11207	40239	34.15	28521	30517	37.15	39389	13899
28.20	8312	40936	31.20	11529	40148	34.20	28764	30288	37.20	39499	13583
+28.25	-7984	+41001	+31.25	+11849	+40055	+34.25	+29005	+30057	+37.25	+39606	+13267
28.30	7656	41063	31.30	12169	39959	34.30	29245	29824	37.30	39711	12950
28.35	7327	41123	31.35	12489	39860	34.35	29482	29589	37.35	39813	12631
28.40	6998	41181	31.40	12807	39759	34.40	29718	29352	37.40	39913	12313
28.45	6668	41235	31.45	13125	39655	34.45	29952	29114	37.45	40010	11993
+28.50	-6338	+41287	+31.50	+13442	+39549	+34.50	+30184	+28873	+37.50	+40105	+11672
28.55	6008	41337	31.55	13758	39440	34.55	30414	28631	37.55	40197	11351
28.60	5677	41383	31.60	14073	39329	34.60	30642	28387	37.60	40286	11029
28.65	5346	41427	31.65	14387	39215	34.65	30868	28141	37.65	40373	10707
28.70	5014	41469	31.70	14700	39099	34.70	31092	27893	37.70	40458	10383
+28.75	-4682	+41508	+31.75	+15012	+38980	+34.75	+31314	+27643	+37.75	+40539	+10059
28.80	4350	41544	31.80	15324	38859	34.80	31534	27392	37.80	40618	9735
28.85	4018	41577	31.85	15634	38735	34.85	31752	27139	37.85	40695	9409
28.90	3685	41608	31.90	15943	38608	34.90	31969	26884	37.90	40769	9084
28.95	3352	41636	31.95	16252	38480	34.95	32183	26627	37.95	40840	8757
+29.00	-3019	+41662	+32.00	+16559	+38348	+35.00	+32395	+26369	+38.00	+40909	+8430
29.05	2686	41685	32.05	16865	38215	35.05	32604	26109	38.05	40975	8103
29.10	2352	41705	32.10	17170	38079	35.10	32812	25847	38.10	41039	7774
29.15	2018	41722	32.15	17474	37940	35.15	33018	25584	38.15	41100	7446
29.20	1685	41737	32.20	17777	37799	35.20	33221	25319	38.20	41158	7117
+29.25	-1351	+41749	+32.25	+18079	+37656	+35.25	+33423	+25052	+38.25	+41213	+6787
29.30	1017	41759	32.30	18380	37510	35.30	33622	24784	38.30	41266	6457
29.35	683	41765	32.35	18679	37361	35.35	33819	24514	38.35	41317	6127
29.40	349	41770	32.40	18977	37211	35.40	34014	24243	38.40	41364	5796
29.45	14	41771	32.45	19274	37058	35.45	34207	23970	38.45	41409	5465
+29.50	+320	+41770	+32.50	+19570	+36903	+35.50	+34398	+23696	+38.50	+41452	+5134
29.55	654	41766	32.55	19865	36745	35.55	34586	23420	38.55	41492	4802
29.60	988	41759	32.60	20158	36585	35.60	34773	23142	38.60	41529	4470
29.65	1322	41750	32.65	20450	36422	35.65	34957	22863	38.65	41563	4138
29.70	1656	41738	32.70	20741	36257	35.70	35138	22583	38.70	41595	3805
+29.75	+1990	+41724	+32.75	+21030	+36090	+35.75	+35318	+22301	+38.75	+41624	+3472
29.80	2323	41706	32.80	21318	35921	35.80	35495	22018	38.80	41650	3139
29.85	2657	41686	32.85	21605	35749	35.85	35670	21733	38.85	41674	2806
29.90	2990	41664	32.90	21890	35575	35.90	35843	21447	38.90	41695	2472
29.95	3323	41639	32.95	22174	35399	35.95	36013	21160	38.95	41714	2139
+30.00	+3656	+41611	+33.00	+22456	+35221	+36.00	+36181	+20871	+39.00	+41729	+1805

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+39.00	+41729	+1805	+42.00	+37846	-17669	+45.00	+25410	-33148	+48.00	+7231	-41136
39.05	41742	1471	42.05	37704	17971	45.05	25144	33351	48.05	6901	41193
39.10	41753	1137	42.10	37559	18272	45.10	24876	33551	48.10	6571	41246
39.15	41760	803	42.15	37411	18572	45.15	24607	33749	48.15	6241	41298
39.20	41766	469	42.20	37262	18870	45.20	24336	33944	48.20	5911	41346
+39.25	+41768	+135	+42.25	+37109	-19168	+45.25	+24064	-34138	+48.25	+5580	-41392
39.30	41768	-199	42.30	36955	19464	45.30	23790	34329	48.30	5249	41436
39.35	41765	534	42.35	36798	19759	45.35	23514	34519	48.35	4917	41476
39.40	41759	868	42.40	36639	20053	45.40	23237	34706	48.40	4585	41514
39.45	41751	1202	42.45	36477	20345	45.45	22959	34890	48.45	4253	41550
+39.50	+41740	-1536	+42.50	+36313	-20637	+45.50	+22679	-35073	+48.50	+3920	-41582
39.55	41726	1869	42.55	36147	20926	45.55	22398	35253	48.55	3587	41612
39.60	41710	2203	42.60	35978	21215	45.60	22115	35431	48.60	3254	41640
39.65	41691	2537	42.65	35807	21502	45.65	21831	35607	48.65	2921	41664
39.70	41669	2870	42.70	35634	21788	45.70	21545	35781	48.70	2588	41686
+39.75	+41645	-3204	+42.75	+35459	-22072	+45.75	+21258	-35952	+48.75	+2254	-41706
39.80	41618	3537	42.80	35281	22355	45.80	20970	36121	48.80	1920	41722
39.85	41588	3869	42.85	35101	22637	45.85	20681	36287	48.85	1586	41737
39.90	41556	4202	42.90	34919	22917	45.90	20390	36452	48.90	1252	41748
39.95	41521	4534	42.95	34734	23195	45.95	20097	36614	48.95	918	41757
+40.00	+41484	-4866	+43.00	+34548	-23473	+46.00	+19804	-36773	+49.00	+584	-41763
40.05	41443	5198	43.05	34359	23748	46.05	19509	36930	49.05	+250	41766
40.10	41400	5529	43.10	34168	24022	46.10	19213	37085	49.10	-84	41767
40.15	41355	5860	43.15	33974	24295	46.15	18916	37238	49.15	418	41765
40.20	41306	6191	43.20	33779	24566	46.20	18617	37388	49.20	752	41760
+40.25	+41256	-6521	+43.25	+33581	-24835	+46.25	+18317	-37536	+49.25	-1086	-41753
40.30	41202	6851	43.30	33382	25103	46.30	18017	37681	49.30	1420	41742
40.35	41146	7181	43.35	33180	25369	46.35	17715	37824	49.35	1754	41730
40.40	41087	7509	43.40	32976	25634	46.40	17411	37965	49.40	2088	41714
40.45	41026	7838	43.45	32769	25897	46.45	17107	38103	49.45	2422	41696
+40.50	+40962	-8166	+43.50	+32561	-26158	+46.50	+16802	-38238	+49.50	-2755	-41676
40.55	40895	8493	43.55	32351	26418	46.55	16495	38371	49.55	3088	41652
40.60	40826	8820	43.60	32138	26676	46.60	16188	38502	49.60	3422	41626
40.65	40754	9147	43.65	31924	26932	46.65	15879	38630	49.65	3754	41598
40.70	40679	9472	43.70	31708	27187	46.70	15570	38756	49.70	4087	41566
+40.75	+40602	-9797	+43.75	+31489	-27439	+46.75	+15259	-38880	+49.75	-4420	-41532
40.80	40523	10122	43.80	31268	27690	46.80	14948	39000	49.80	4752	41495
40.85	40440	10446	43.85	31046	27940	46.85	14635	39119	49.85	5083	41456
40.90	40356	10769	43.90	30821	28187	46.90	14322	39235	49.90	5415	41414
40.95	40268	11092	43.95	30595	28433	46.95	14007	39348	49.95	5746	41369
+41.00	+40178	-11413	+44.00	+30367	-28677	+47.00	+13692	-39459	+50.00	-6077	-41322
41.05	40085	11734	44.05	30136	28919	47.05	13376	39567			
41.10	39990	12055	44.10	29904	29159	47.10	13059	39673			
41.15	39893	12374	44.15	29670	29397	47.15	12741	39776			
41.20	39792	12693	44.20	29433	29634	47.20	12423	39876			
+41.25	+39689	-13011	+44.25	+29195	-29868	+47.25	+12103	-39975			
41.30	39584	13328	44.30	28955	30101	47.30	11783	40070			
41.35	39476	13644	44.35	28714	30331	47.35	11462	40163			
41.40	39366	13960	44.40	28470	30560	47.40	11140	40254			
41.45	39253	14274	44.45	28225	30787	47.45	10818	40341			
+41.50	+39137	-14588	+44.50	+27978	-31012	+47.50	+10495	-40427			
41.55	39019	14900	44.55	27729	31235	47.55	10171	40509			
41.60	38899	15212	44.60	27478	31455	47.60	9847	40589			
41.65	38776	15523	44.65	27225	31674	47.65	9522	40667			
41.70	38650	15832	44.70	26971	31891	47.70	9196	40742			
+41.75	+38523	-16141	+44.75	+26715	-32106	+47.75	+8870	-40814			
41.80	38392	16449	44.80	26457	32318	47.80	8543	40884			
41.85	38259	16755	44.85	26198	32529	47.85	8216	40951			
41.90	38124	17061	44.90	25937	32738	47.90	7888	41015			
41.95	37986	17365	44.95	25674	32944	47.95	7559	41077			
+42.00	+37846	-17669	+45.00	+25410	-33148	+48.00	+7231	-41136			

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+1	-8.0	-84	+60	-2.80	-758	+287	-1.60	-1708	+507
49	0	1	7.9	86	61	2.78	767	289	1.58	1734	513
48	0	1	7.8	89	63	2.76	776	292	1.56	1761	518
47	0	1	7.7	92	64	2.74	786	294	1.54	1788	524
46	0	1	7.6	95	65	2.72	795	297	1.52	1816	530
-45	-1	+1	-7.5	-98	+67	-2.70	-805	+299	-1.50	-1844	+536
44	1	1	7.4	102	69	2.68	815	302	1.48	1873	542
43	1	1	7.3	105	70	2.66	825	304	1.46	1902	548
42	1	2	7.2	109	72	2.64	836	307	1.44	1932	554
41	1	2	7.1	112	74	2.62	846	310	1.42	1963	560
-40	-1	+2	-7.0	-116	+76	-2.60	-857	+312	-1.40	-1994	+566
39	1	2	6.9	120	78	2.58	868	315	1.38	2025	573
38	1	2	6.8	124	80	2.56	879	318	1.36	2058	579
37	1	2	6.7	129	82	2.54	890	320	1.34	2090	586
36	1	2	6.6	133	84	2.52	901	323	1.32	2124	593
-35	-1	+2	-6.5	-138	+86	-2.50	-913	+326	-1.30	-2158	+600
34	1	2	6.4	143	88	2.48	924	329	1.28	2193	607
33	1	3	6.3	149	91	2.46	936	332	1.26	2228	614
32	1	3	6.2	154	93	2.44	948	335	1.24	2265	621
31	2	3	6.1	160	95	2.42	961	338	1.22	2302	628
-30	-2	+3	-6.0	-166	+98	-2.40	-973	+341	-1.20	-2339	+636
29	2	4	5.9	173	101	2.38	986	344	1.18	2378	643
28	2	4	5.8	179	104	2.36	999	347	1.16	2417	651
27	3	4	5.7	186	107	2.34	1012	351	1.14	2457	658
26	3	5	5.6	194	110	2.32	1026	354	1.12	2497	666
-25	-3	+5	-5.5	-202	+113	-2.30	-1040	+357	-1.10	-2539	+674
24	4	6	5.4	210	116	2.28	1053	361	1.08	2581	682
23	4	6	5.3	219	120	2.26	1068	364	1.06	2624	691
22	5	7	5.2	228	123	2.24	1082	367	1.04	2668	699
21	5	8	5.1	238	127	2.22	1097	371	1.02	2713	708
-20	-7	+9	-5.0	-248	+131	-2.20	-1111	+374	-1.00	-2758	+717
19	8	10	4.9	259	135	2.18	1127	378	0.98	2805	725
18	9	12	4.8	271	139	2.16	1142	382	0.96	2852	734
17	11	13	4.7	283	143	2.14	1158	385	0.94	2900	744
16	13	15	4.6	296	148	2.12	1174	389	0.92	2949	753
-15	-15	+17	-4.5	-310	+153	-2.10	-1190	+393	-0.90	-2999	+763
14	19	20	4.4	325	158	2.08	1206	397	0.88	3050	772
13	23	23	4.3	340	163	2.06	1223	401	0.86	3102	782
12	29	27	4.2	357	169	2.04	1240	404	0.84	3155	792
11	37	33	4.1	374	175	2.02	1258	408	0.82	3209	803
-10.0	-48	+40	-4.0	-393	+181	-2.00	-1276	+413	-0.80	-3264	+813
9.9	49	40	3.9	413	187	1.98	1294	417	0.78	3320	824
9.8	51	41	3.8	435	194	1.96	1312	421	0.76	3377	834
9.7	52	42	3.7	458	201	1.94	1331	425	0.74	3435	845
9.6	53	43	3.6	482	209	1.92	1350	429	0.72	3493	856
-9.5	-55	+44	-3.5	-509	+217	-1.90	-1369	+434	-0.70	-3553	+868
9.4	56	44	3.4	537	225	1.88	1389	438	0.68	3614	879
9.3	58	45	3.3	567	234	1.86	1409	443	0.66	3676	891
9.2	59	46	3.2	600	243	1.84	1430	447	0.64	3739	902
9.1	61	47	3.1	635	253	1.82	1451	452	0.62	3803	915
-9.0	-63	+48	-3.00	-673	+264	-1.80	-1472	+457	-0.60	-3868	+927
8.9	64	49	2.98	681	266	1.78	1494	461	0.58	3933	939
8.8	66	50	2.96	689	268	1.76	1516	466	0.56	4000	952
8.7	68	51	2.94	697	270	1.74	1538	471	0.54	4068	965
8.6	70	52	2.92	705	272	1.72	1561	476	0.52	4137	978
-8.5	-72	+54	-2.90	-714	+275	-1.70	-1585	+481	-0.50	-4207	+991
8.4	74	55	2.88	722	277	1.68	1609	486	0.48	4278	1005
8.3	76	56	2.86	731	279	1.66	1633	491	0.46	4350	1019
8.2	79	57	2.84	740	282	1.64	1657	497	0.44	4423	1033
8.1	81	59	2.82	749	284	1.62	1683	502	0.42	4496	1047
-8.0	-84	+60	-2.80	-758	+287	-1.60	-1708	+507	-0.40	-4571	+1062

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-0.40	-4571	+1062	+0.80	-9029	+2395	+2.00	-10490	+4311	+3.20	-10205	+6315
0.38	4646	1076	0.82	9079	2424	2.02	10495	4345	3.22	10193	6348
0.36	4723	1091	0.84	9127	2453	2.04	10500	4379	3.24	10180	6380
0.34	4800	1107	0.86	9175	2482	2.06	10504	4412	3.26	10166	6413
0.32	4878	1122	0.88	9221	2512	2.08	10508	4446	3.28	10153	6445
-0.30	-4957	+1138	+0.90	-9267	+2541	+2.10	-10511	+4479	+3.30	-10139	+6478
0.28	5036	1154	0.92	9311	2571	2.12	10515	4513	3.32	10125	6510
0.26	5116	1170	0.94	9354	2601	2.14	10517	4547	3.34	10111	6543
0.24	5197	1187	0.96	9396	2631	2.16	10520	4580	3.36	10097	6575
0.22	5278	1203	0.98	9437	2661	2.18	10521	4614	3.38	10083	6607
-0.20	-5360	+1220	+1.00	-9478	+2691	+2.20	-10523	+4648	+3.40	-10068	+6640
0.18	5442	1238	1.02	9517	2722	2.22	10524	4681	3.42	10054	6672
0.16	5525	1255	1.04	9555	2752	2.24	10525	4715	3.44	10039	6704
0.14	5608	1273	1.06	9592	2783	2.26	10525	4749	3.46	10023	6736
0.12	5692	1291	1.08	9629	2814	2.28	10525	4782	3.48	10008	6768
-0.10	-5776	+1309	+1.10	-9664	+2845	+2.30	-10525	+4816	+3.50	-9993	+6800
0.08	5860	1328	1.12	9699	2876	2.32	10524	4850	3.52	9977	6832
0.06	5944	1347	1.14	9732	2907	2.34	10523	4883	3.54	9961	6864
0.04	6028	1366	1.16	9765	2938	2.36	10522	4917	3.56	9945	6896
-0.02	6113	1385	1.18	9796	2969	2.38	10520	4951	3.58	9928	6928
0.00	-6197	+1405	+1.20	-9827	+3001	+2.40	-10518	+4985	+3.60	-9912	+6960
+0.02	6281	1425	1.22	9857	3032	2.42	10516	5018	3.62	9895	6991
0.04	6366	1445	1.24	9886	3064	2.44	10513	5052	3.64	9879	7023
0.06	6450	1466	1.26	9915	3095	2.46	10510	5086	3.66	9862	7055
0.08	6533	1487	1.28	9942	3127	2.48	10507	5119	3.68	9844	7086
+0.10	-6617	+1508	+1.30	-9969	+3159	+2.50	-10503	+5153	+3.70	-9827	+7118
0.12	6700	1529	1.32	9995	3191	2.52	10499	5186	3.72	9810	7149
0.14	6783	1551	1.34	10020	3223	2.54	10495	5220	3.74	9792	7180
0.16	6865	1572	1.36	10044	3255	2.56	10491	5254	3.76	9774	7212
0.18	6947	1594	1.38	10068	3287	2.58	10486	5287	3.78	9756	7243
+0.20	-7028	+1617	+1.40	-10091	+3320	+2.60	-10481	+5321	+3.80	-9738	+7274
0.22	7109	1639	1.42	10113	3352	2.62	10475	5354	3.82	9720	7305
0.24	7188	1662	1.44	10135	3384	2.64	10469	5388	3.84	9701	7336
0.26	7268	1685	1.46	10155	3417	2.66	10463	5421	3.86	9683	7367
0.28	7346	1709	1.48	10176	3449	2.68	10457	5455	3.88	9664	7398
+0.30	-7424	+1733	+1.50	-10195	+3482	+2.70	-10450	+5488	+3.90	-9645	+7429
0.32	7500	1756	1.52	10214	3514	2.72	10444	5522	3.92	9626	7460
0.34	7576	1781	1.54	10232	3547	2.74	10436	5555	3.94	9607	7491
0.36	7651	1805	1.56	10249	3580	2.76	10429	5589	3.96	9587	7521
0.38	7725	1829	1.58	10266	3613	2.78	10421	5622	3.98	9568	7552
+0.40	-7798	+1854	+1.60	-10282	+3646	+2.80	-10414	+5655	+4.0	-9548	+7583
0.42	7870	1879	1.62	10298	3679	2.82	10405	5689	4.1	9447	7735
0.44	7941	1905	1.64	10313	3712	2.84	10397	5722	4.2	9343	7885
0.46	8011	1930	1.66	10327	3745	2.86	10388	5755	4.3	9235	8033
0.48	8080	1956	1.68	10341	3778	2.88	10379	5788	4.4	9123	8180
+0.50	-8147	+1982	+1.70	-10354	+3811	+2.90	-10370	+5822	+4.5	-9008	+8325
0.52	8214	2008	1.72	10367	3844	2.92	10361	5855	4.6	8890	8468
0.54	8280	2034	1.74	10379	3877	2.94	10351	5888	4.7	8769	8610
0.56	8344	2061	1.76	10390	3910	2.96	10341	5921	4.8	8644	8749
0.58	8407	2088	1.78	10401	3944	2.98	10331	5954	4.9	8517	8887
+0.60	-8470	+2115	+1.80	-10412	+3977	+3.00	-10321	+5987	+5.0	-8387	+9022
0.62	8531	2142	1.82	10422	4010	3.02	10310	6020	5.1	8254	9155
0.64	8591	2169	1.84	10431	4044	3.04	10300	6053	5.2	8118	9286
0.66	8649	2197	1.86	10440	4077	3.06	10289	6086	5.3	7980	9415
0.68	8707	2225	1.88	10449	4110	3.08	10277	6119	5.4	7839	9541
+0.70	-8764	+2253	+1.90	-10457	+4144	+3.10	-10266	+6151	+5.5	-7696	+9666
0.72	8819	2281	1.92	10464	4177	3.12	10254	6184	5.6	7550	9788
0.74	8873	2309	1.94	10471	4211	3.14	10242	6217	5.7	7401	9907
0.76	8926	2338	1.96	10478	4244	3.16	10230	6250	5.8	7251	10024
0.78	8978	2366	1.98	10484	4278	3.18	10218	6282	5.9	7098	10139
+0.80	-9029	+2395	+2.00	-10490	+4311	+3.20	-10205	+6315	+6.0	-6942	+10251

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 6.0	-6942	+10251	+12.0	+ 4270	+11674	+18.0	+11982	+3217	+24.0	+9496	- 7964
6.1	6785	10361	12.1	4455	11604	18.1	12031	3025	24.1	9367	8115
6.2	6626	10468	12.2	4639	11531	18.2	12078	2832	24.2	9236	8264
6.3	6464	10573	12.3	4822	11455	18.3	12121	2638	24.3	9103	8410
6.4	6301	10675	12.4	5004	11377	18.4	12161	2444	24.4	8967	8555
+ 6.5	-6136	+10775	+12.5	+ 5184	+11295	+18.5	+12199	+2249	+24.5	+8829	- 8697
6.6	5969	10872	12.6	5363	11211	18.6	12233	2054	24.6	8688	8837
6.7	5800	10966	12.7	5541	11124	18.7	12264	1858	24.7	8546	8975
6.8	5630	11057	12.8	5717	11034	18.8	12292	1661	24.8	8401	9111
6.9	5458	11146	12.9	5892	10941	18.9	12316	1464	24.9	8254	9244
+ 7.0	-5284	+11232	+13.0	+ 6066	+10845	+19.0	+12338	+1267	+25.0	+8105	- 9375
7.1	5109	11315	13.1	6237	10747	19.1	12356	1069	25.1	7954	9503
7.2	4932	11395	13.2	6408	10646	19.2	12372	872	25.2	7800	9629
7.3	4753	11473	13.3	6576	10542	19.3	12384	674	25.3	7645	9753
7.4	4574	11547	13.4	6743	10435	19.4	12393	476	25.4	7488	9874
+ 7.5	-4393	+11619	+13.5	+ 6909	+10326	+19.5	+12399	+ 277	+25.5	+7329	- 9992
7.6	4211	11688	13.6	7072	10214	19.6	12401	+ 79	25.6	7168	10108
7.7	4027	11754	13.7	7234	10100	19.7	12401	- 120	25.7	7005	10222
7.8	3842	11817	13.8	7394	9983	19.8	12397	318	25.8	6840	10333
7.9	3657	11877	13.9	7552	9863	19.9	12390	516	25.9	6674	10441
+ 8.0	-3470	+11934	+14.0	+ 7708	+ 9741	+20.0	+12380	- 715	+26.0	+6506	-10546
8.1	3282	11988	14.1	7862	9616	20.1	12366	913	26.1	6336	10649
8.2	3093	12039	14.2	8014	9489	20.2	12350	1110	26.2	6165	10749
8.3	2903	12087	14.3	8164	9360	20.3	12330	1308	26.3	5992	10846
8.4	2713	12132	14.4	8312	9228	20.4	12307	1505	26.4	5818	10941
+ 8.5	-2522	+12173	+14.5	+ 8458	+ 9094	+20.5	+12281	-1702	+26.5	+5642	-11032
8.6	2329	12212	14.6	8602	8958	20.6	12252	1898	26.6	5465	11121
8.7	2136	12248	14.7	8743	8819	20.7	12220	2094	26.7	5286	11207
8.8	1943	12281	14.8	8883	8678	20.8	12185	2289	26.8	5106	11290
8.9	1749	12310	14.9	9020	8535	20.9	12146	2484	26.9	4925	11371
+ 9.0	-1554	+12337	+15.0	+ 9155	+ 8389	+21.0	+12105	-2678	+27.0	+4742	-11448
9.1	1359	12360	15.1	9287	8242	21.1	12060	2871	27.1	4558	11522
9.2	1163	12380	15.2	9418	8092	21.2	12012	3063	27.2	4373	11594
9.3	967	12397	15.3	9545	7940	21.3	11962	3255	27.3	4187	11662
9.4	771	12411	15.4	9671	7786	21.4	11908	3446	27.4	4000	11728
+ 9.5	- 575	+12422	+15.5	+ 9793	+ 7631	+21.5	+11851	-3636	+27.5	+3812	-11790
9.6	378	12429	15.6	9914	7473	21.6	11791	3825	27.6	3622	11850
9.7	181	12434	15.7	10032	7313	21.7	11728	4014	27.7	3432	11906
9.8	+ 16	12435	15.8	10147	7152	21.8	11663	4201	27.8	3241	11960
9.9	212	12433	15.9	10260	6989	21.9	11594	4387	27.9	3049	12010
+10.0	+ 409	+12429	+16.0	+10370	+ 6824	+22.0	+11522	-4572	+28.0	+2857	-12057
10.1	606	12420	16.1	10477	6657	22.1	11447	4756	28.1	2663	12101
10.2	803	12409	16.2	10582	6489	22.2	11369	4938	28.2	2469	12142
10.3	1000	12395	16.3	10684	6318	22.3	11289	5119	28.3	2274	12180
10.4	1196	12377	16.4	10783	6147	22.4	11205	5299	28.4	2079	12215
+10.5	+1393	+12356	+16.5	+10879	+ 5973	+22.5	+11119	-5478	+28.5	+1883	-12247
10.6	1589	12332	16.6	10973	5799	22.6	11030	5655	28.6	1687	12275
10.7	1784	12305	16.7	11064	5622	22.7	10938	5831	28.7	1490	12301
10.8	1979	12275	16.8	11152	5445	22.8	10843	6005	28.8	1293	12323
10.9	2174	12242	16.9	11237	5266	22.9	10745	6178	28.9	1096	12342
+11.0	+2368	+12206	+17.0	+11320	+ 5085	+23.0	+10645	-6349	+29.0	+ 898	-12358
11.1	2562	12166	17.1	11399	4903	23.1	10542	6519	29.1	700	12371
11.2	2755	12124	17.2	11476	4720	23.2	10436	6686	29.2	502	12381
11.3	2947	12078	17.3	11549	4536	23.3	10327	6853	29.3	304	12387
11.4	3138	12030	17.4	11620	4351	23.4	10216	7017	29.4	+ 106	12390
+11.5	+3329	+11978	+17.5	+11688	+ 4164	+23.5	+10103	-7180	+29.5	- 92	-12391
11.6	3519	11923	17.6	11753	3977	23.6	9986	7340	29.6	291	12387
11.7	3708	11865	17.7	11814	3788	23.7	9867	7499	29.7	489	12381
11.8	3896	11804	17.8	11873	3599	23.8	9746	7656	29.8	687	12372
11.9	4084	11741	17.9	11929	3408	23.9	9622	7811	29.9	885	12359
+12.0	+4270	+11674	+18.0	+11982	+ 3217	+24.0	+ 9496	-7964	+30.0	-1083	-12344

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+30.0	-1083	-12344	+36.0	-10735	-6190	+42.0	-11230	+5245	+48.0	-2145	+12208
30.1	1280	12325	36.1	10833	6018	42.1	11145	5424	48.1	1950	12241
30.2	1477	12302	36.2	10928	5844	42.2	11056	5602	48.2	1754	12270
30.3	1674	12277	36.3	11020	5668	42.3	10965	5778	48.3	1557	12297
30.4	1870	12249	36.4	11109	5491	42.4	10872	5952	48.4	1360	12320
+30.5	-2066	-12217	+36.5	-11196	-5313	+42.5	-10775	+6126	+48.5	-1163	+12340
30.6	2261	12183	36.6	11279	5133	42.6	10676	6297	48.6	966	12357
30.7	2456	12145	36.7	11360	4952	42.7	10573	6467	48.7	768	12371
30.8	2650	12104	36.8	11438	4769	42.8	10469	6635	48.8	570	12382
30.9	2843	12060	36.9	11513	4586	42.9	10361	6802	48.9	372	12389
+31.0	-3036	-12013	+37.0	-11585	-4401	+43.0	-10251	+6967	+49.0	-173	+12394
31.1	3228	11963	37.1	11654	4215	43.1	10138	7130	49.1	+25	12395
31.2	3419	11910	37.2	11720	4028	43.2	10023	7291	49.2	223	12393
31.3	3609	11853	37.3	11783	3840	43.3	9905	7451	49.3	422	12388
31.4	3798	11794	37.4	11843	3651	43.4	9784	7608	49.4	620	12379
+31.5	-3987	-11732	+37.5	-11900	-3461	+43.5	-9662	+7764	+49.5	+818	+12368
31.6	4174	11667	37.6	11953	3270	43.6	9536	7917	49.6	1016	12353
31.7	4360	11598	37.7	12004	3079	43.7	9408	8069	49.7	1213	12335
31.8	4545	11527	37.8	12052	2886	43.8	9278	8219	49.8	1410	12314
31.9	4729	11453	37.9	12097	2693	43.9	9145	8366	49.9	1607	12290
+32.0	-4912	-11376	+38.0	-12138	-2499	+44.0	-9010	+8511	+50.0	+1804	+12263
32.1	5093	11296	38.1	12177	2304	44.1	8873	8654			
32.2	5273	11213	38.2	12212	2109	44.2	8733	8795			
32.3	5452	11127	38.3	12244	1914	44.3	8592	8934			
32.4	5630	11038	38.4	12273	1718	44.4	8448	9070			
+32.5	-5806	-10947	+38.5	-12299	-1521	+44.5	-8302	+9204			
32.6	5980	10852	38.6	12322	1324	44.6	8153	9336			
32.7	6153	10755	38.7	12342	1127	44.7	8003	9465			
32.8	6324	10655	38.8	12358	929	44.8	7851	9592			
32.9	6494	10553	38.9	12372	731	44.9	7696	9716			
+33.0	-6662	-10448	+39.0	-12382	-533	+45.0	-7540	+9838			
33.1	6829	10340	39.1	12389	335	45.1	7381	9957			
33.2	6993	10229	39.2	12393	-137	45.2	7221	10074			
33.3	7156	10116	39.3	12393	+61	45.3	7059	10189			
33.4	7317	10000	39.4	12391	260	45.4	6895	10300			
+33.5	-7476	-9882	+39.5	-12385	+458	+45.5	-6729	+10409			
33.6	7633	9761	39.6	12376	656	45.6	6562	10516			
33.7	7789	9638	39.7	12364	854	45.7	6393	10619			
33.8	7942	9512	39.8	12349	1052	45.8	6222	10720			
33.9	8093	9383	39.9	12331	1249	45.9	6050	10818			
+34.0	-8242	-9253	+40.0	-12309	+1446	+46.0	-5876	+10914			
34.1	8389	9120	40.1	12285	1643	46.1	5700	11006			
34.2	8534	8984	40.2	12257	1839	46.2	5524	11096			
34.3	8677	8847	40.3	12226	2035	46.3	5345	11183			
34.4	8817	8707	40.4	12192	2231	46.4	5166	11267			
+34.5	-8956	-8565	+40.5	-12154	+2425	+46.5	-4985	+11348			
34.6	9091	8420	40.6	12114	2620	46.6	4803	11427			
34.7	9225	8274	40.7	12070	2813	46.7	4619	11502			
34.8	9356	8125	40.8	12024	3006	46.8	4435	11574			
34.9	9485	7975	40.9	11974	3198	46.9	4249	11644			
+35.0	-9612	-7822	+41.0	-11922	+3389	+47.0	-4063	+11710			
35.1	9735	7667	41.1	11866	3579	47.1	3875	11774			
35.2	9857	7510	41.2	11807	3769	47.2	3686	11834			
35.3	9976	7352	41.3	11745	3957	47.3	3496	11892			
35.4	10092	7191	41.4	11681	4145	47.4	3305	11946			
+35.5	-10206	-7029	+41.5	-11613	+4331	+47.5	-3114	+11998			
35.6	10317	6864	41.6	11542	4516	47.6	2922	12046			
35.7	10426	6698	41.7	11468	4700	47.7	2728	12091			
35.8	10531	6531	41.8	11392	4883	47.8	2535	12133			
35.9	10635	6361	41.9	11312	5065	47.9	2340	12172			
+36.0	-10735	-6190	+42.0	-11230	+5245	+48.0	-2145	+12208			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+1	-6.0	-126	+84	+6.0	-1060	+1779	+18.0	+2007	+547
49	0	1	5.8	135	88	6.2	1013	1812	18.2	2022	482
48	0	1	5.6	144	93	6.4	964	1844	18.4	2036	417
47	0	1	5.4	154	98	6.6	914	1874	18.6	2048	352
46	0	1	5.2	164	103	6.8	862	1902	18.8	2058	286
-45	0	+1	-5.0	-176	+108	+7.0	-808	+1929	+19.0	+2065	+220
44	0	1	4.8	188	114	7.2	754	1954	19.2	2071	154
43	0	1	4.6	201	120	7.4	698	1977	19.4	2074	88
42	-1	1	4.4	216	127	7.6	641	1999	19.6	2075	+21
41	1	1	4.2	232	134	7.8	582	2018	19.8	2074	-45
-40	-1	+1	-4.0	-250	+142	+8.0	-523	+2036	+20.0	+2071	-112
39	1	2	3.8	268	150	8.2	463	2052	20.2	2066	178
38	1	2	3.6	289	159	8.4	403	2066	20.4	2059	244
37	1	2	3.4	311	169	8.6	341	2078	20.6	2050	310
36	1	2	3.2	335	179	8.8	279	2087	20.8	2039	375
-35	-1	+2	-3.0	-362	+190	+9.0	-216	+2095	+21.0	+2025	-440
34	1	2	2.8	390	202	9.2	153	2101	21.2	2010	505
33	1	3	2.6	421	215	9.4	90	2105	21.4	1992	569
32	2	3	2.4	454	229	9.6	-26	2107	21.6	1972	632
31	2	3	2.2	490	244	9.8	+38	2107	21.8	1951	695
-30	-2	+3	-2.0	-529	+260	+10.0	+102	+2105	+22.0	+1927	-757
29	2	4	1.8	570	278	10.2	166	2100	22.2	1902	818
28	2	4	1.6	614	297	10.4	230	2094	22.4	1874	879
27	2	5	1.4	660	317	10.6	294	2086	22.6	1845	938
26	3	5	1.2	709	339	10.8	358	2075	22.8	1813	997
-25	-3	+5	-1.0	-760	+363	+11.0	+422	+2063	+23.0	+1780	-1054
24	3	6	0.8	814	388	11.2	485	2048	23.2	1745	1111
23	4	6	0.6	868	415	11.4	548	2032	23.4	1709	1166
22	5	7	0.4	923	443	11.6	611	2013	23.6	1670	1220
21	5	8	-0.2	979	474	11.8	673	1993	23.8	1630	1273
-20	-6	+9	0.0	-1034	+506	+12.0	+734	+1970	+24.0	+1588	-1324
19	7	10	+0.2	1089	540	12.2	795	1946	24.2	1545	1374
18	8	12	0.4	1141	576	12.4	855	1919	24.4	1499	1423
17	10	12	0.6	1191	613	12.6	914	1891	24.6	1453	1470
16	12	14	0.8	1238	652	12.8	972	1861	24.8	1405	1516
-15	-14	+17	+1.0	-1282	+692	+13.0	+1030	+1829	+25.0	+1355	-1560
14	17	20	1.2	1322	734	13.2	1086	1795	25.2	1304	1603
13	21	23	1.4	1357	777	13.4	1142	1759	25.4	1252	1644
12	26	26	1.6	1388	821	13.6	1196	1722	25.6	1199	1683
11	33	30	1.8	1414	866	13.8	1249	1683	25.8	1144	1720
-10.0	-42	+37	+2.0	-1435	+911	+14.0	+1301	+1642	+26.0	+1088	-1756
9.8	44	38	2.2	1452	957	14.2	1351	1599	26.2	1031	1790
9.6	46	39	2.4	1464	1004	14.4	1401	1555	26.4	973	1822
9.4	48	41	2.6	1472	1051	14.6	1448	1510	26.6	914	1852
9.2	51	42	2.8	1475	1098	14.8	1495	1463	26.8	854	1880
-9.0	-54	+44	+3.0	-1474	+1145	+15.0	+1540	+1414	+27.0	+793	-1907
8.8	57	46	3.2	1468	1193	15.2	1583	1364	27.2	732	1931
8.6	60	48	3.4	1459	1239	15.4	1625	1313	27.4	670	1954
8.4	63	50	3.6	1446	1286	15.6	1665	1260	27.6	606	1974
8.2	66	52	3.8	1430	1332	15.8	1704	1206	27.8	543	1993
-8.0	-70	+54	+4.0	-1410	+1377	+16.0	+1740	+1151	+28.0	+479	-2009
7.8	74	56	4.2	1387	1422	16.2	1775	1095	28.2	414	2023
7.6	78	59	4.4	1361	1466	16.4	1809	1038	28.4	349	2035
7.4	83	61	4.6	1332	1509	16.6	1840	979	28.6	283	2046
7.2	88	64	4.8	1300	1551	16.8	1870	920	28.8	218	2054
-7.0	-93	+67	+5.0	-1266	+1592	+17.0	+1897	+860	+29.0	+152	-2059
6.8	99	70	5.2	1229	1632	17.2	1923	798	29.2	85	2063
6.6	105	73	5.4	1190	1671	17.4	1947	737	29.4	+19	2065
6.4	111	77	5.6	1149	1708	17.6	1969	674	29.6	-47	2065
6.2	119	80	5.8	1105	1744	17.8	1989	611	29.8	113	2062
-6.0	-126	+84	+6.0	-1060	+1779	+18.0	+2007	+547	+30.0	-179	-2057

$4\pi W_e \times 10^4$

$n = 4$			$n = 4$			$n = 6$			$n = 6$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+30.0	-179	-2057	+41.0	-1989	+567	-50	0	+1	-7.0	-68	+56
30.2	245	2051	41.2	1970	630	49	0	1	6.8	72	58
30.4	311	2042	41.4	1949	693	48	0	1	6.6	75	61
30.6	376	2031	41.6	1926	755	47	0	1	6.4	79	63
30.8	441	2018	41.8	1901	816	46	0	1	6.2	83	66
+31.0	-505	-2003	+42.0	-1874	+876	-45	0	+1	-6.0	-88	+68
31.2	569	1985	42.2	1845	936	44	0	1	5.8	92	71
31.4	633	1966	42.4	1814	994	43	0	1	5.6	97	74
31.6	695	1945	42.6	1781	1052	42	-1	1	5.4	102	77
31.8	757	1922	42.8	1747	1108	41	1	1	5.2	107	81
+32.0	-819	-1897	+43.0	-1710	+1164	-40	-1	+1	-5.0	-113	+84
32.2	879	1869	43.2	1672	1218	39	1	2	4.8	119	88
32.4	938	1840	43.4	1633	1271	38	1	2	4.6	125	92
32.6	997	1809	43.6	1591	1322	37	1	2	4.4	132	96
32.8	1054	1776	43.8	1548	1372	36	1	2	4.2	139	101
+33.0	-1111	-1742	+44.0	-1504	+1421	-35	-1	+2	-4.0	-146	+105
33.2	1166	1705	44.2	1457	1469	34	1	2	3.8	154	110
33.4	1220	1667	44.4	1410	1515	33	1	2	3.6	162	115
33.6	1273	1627	44.6	1361	1559	32	1	3	3.4	171	120
33.8	1324	1586	44.8	1310	1602	31	2	3	3.2	180	126
+34.0	-1374	-1543	+45.0	-1258	+1643	-30	-2	+3	-3.0	-189	+132
34.2	1423	1498	45.2	1205	1682	29	2	4	2.8	199	138
34.4	1470	1451	45.4	1151	1720	28	2	4	2.6	209	145
34.6	1516	1404	45.6	1095	1756	27	2	4	2.4	219	151
34.8	1560	1354	45.8	1038	1790	26	3	5	2.2	230	159
+35.0	-1603	-1304	+46.0	-981	+1822	-25	-3	+5	-2.0	-241	+166
35.2	1644	1252	46.2	922	1852	24	3	6	1.8	252	174
35.4	1683	1198	46.4	862	1881	23	4	6	1.6	264	182
35.6	1721	1144	46.6	801	1908	22	5	7	1.4	276	191
35.8	1757	1088	46.8	740	1932	21	5	8	1.2	287	200
+36.0	-1791	-1032	+47.0	-678	+1955	-20	-6	+8	-1.0	-299	+209
36.2	1823	974	47.2	615	1976	19	7	9	0.8	311	219
36.4	1853	915	47.4	551	1994	18	8	11	0.6	324	229
36.6	1882	855	47.6	487	2011	17	9	12	0.4	335	240
36.8	1908	795	47.8	423	2026	16	11	14	-0.2	347	251
+37.0	-1933	-733	+48.0	-358	+2038	-15	-13	+16	0.0	-358	+262
37.2	1955	671	48.2	292	2049	14	15	18	+0.2	369	274
37.4	1976	608	48.4	226	2057	13	19	20	0.4	380	286
37.6	1995	544	48.6	161	2063	12	23	24	0.6	390	298
37.8	2011	480	48.8	95	2067	11	28	28	0.8	399	311
+38.0	-2025	-416	+49.0	-28	+2069	-10.0	-34	+33	+1.0	-408	+323
38.2	2038	351	49.2	+38	2069	9.8	36	34	1.2	416	337
38.4	2048	285	49.4	104	2067	9.6	37	35	1.4	423	350
38.6	2056	220	49.6	170	2063	9.4	39	36	1.6	429	364
38.8	2062	154	49.8	236	2056	9.2	41	38	1.8	435	378
+39.0	-2066	-88	+50.0	+301	+2048	-9.0	-43	+39	+2.0	-440	+392
39.2	2068	-22				8.8	45	40	2.2	443	406
39.4	2067	+44				8.6	47	42	2.4	445	420
39.6	2065	111				8.4	49	43	2.6	447	434
39.8	2060	177				8.2	51	45	2.8	448	448
+40.0	-2054	+242				-8.0	-54	+47	+3.0	-447	+463
40.2	2045	308				7.8	56	48	3.2	445	477
40.4	2034	373				7.6	59	50	3.4	443	491
40.6	2021	438				7.4	62	52	3.6	439	505
40.8	2006	503				7.2	65	54	3.8	434	519
+41.0	-1989	+567				-7.0	-68	+56	+4.0	-429	+533

$4\pi W_e \times 10^4$

$n = 6$			$n = 6$			$n = 8$			$n = 8$			$n = 8$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 4.0	-429	+533	+22.5	+647	-311	-50	0	+ 1	+ 7.5	- 71	+336	+35.0	-244	-197
4.2	422	547	23.0	619	361	48	0	1	8.0	51	341	35.5	259	177
4.4	414	560	23.5	588	410	46	- 1	1	8.5	30	344	36.0	273	156
4.6	406	573	24.0	552	455	44	1	1	9.0	- 9	346	36.5	285	133
4.8	397	586	24.5	514	498	42	1	1	9.5	+ 14	346	37.0	294	110
+ 5.0	-386	+599	+25.0	+472	-538	-40	- 1	+ 1	+10.0	+ 36	+344	+37.5	-302	- 86
5.2	375	611	25.5	427	574	38	1	2	10.5	59	340	38.0	308	62
5.4	363	623	26.0	379	606	36	1	2	11.0	82	335	38.5	313	37
5.6	351	634	26.5	329	634	34	1	2	11.5	104	327	39.0	315	- 12
5.8	337	645	27.0	277	658	32	1	3	12.0	127	318	39.5	315	+ 13
+ 6.0	-323	+656	+27.5	+223	-678	-30	- 2	+ 3	+12.5	+149	+307	+40.0	-313	+ 38
6.2	309	666	28.0	167	694	28	2	4	13.0	170	294	40.5	309	63
6.4	293	675	28.5	111	705	26	3	5	13.5	190	280	41.0	303	88
6.6	278	685	29.0	+ 54	711	24	3	5	14.0	209	264	41.5	295	112
6.8	261	693	29.5	- 4	713	22	4	6	14.5	227	246	42.0	286	135
+ 7.0	-244	+701	+30.0	- 61	-711	-20	- 5	+ 8	+15.0	+244	+227	+42.5	-274	+157
7.2	226	709	30.5	118	704	18	7	10	15.5	260	207	43.0	261	179
7.4	208	716	31.0	174	692	16	10	12	16.0	273	186	43.5	246	199
7.6	190	722	31.5	229	676	14	13	16	16.5	286	163	44.0	229	218
7.8	171	728	32.0	283	655	12	19	21	17.0	296	140	44.5	211	236
+ 8.0	-152	+733	+32.5	-334	-631	-10.0	- 27	+ 28	+17.5	+305	+116	+45.0	-192	+252
8.2	132	738	33.0	384	602	9.5	30	31	18.0	312	91	45.5	171	266
8.4	112	742	33.5	431	569	9.0	33	33	18.5	317	66	46.0	149	279
8.6	92	745	34.0	476	533	8.5	36	36	19.0	320	41	46.5	127	290
8.8	72	747	34.5	517	493	8.0	39	39	19.5	321	+ 15	47.0	103	300
+ 9.0	- 51	+749	+35.0	-555	-451	- 7.5	- 43	+ 42	+20.0	+321	- 11	+47.5	- 79	+307
9.2	30	751	35.5	589	405	7.0	48	46	20.5	318	36	48.0	54	312
9.4	- 9	751	36.0	620	356	6.5	53	50	21.0	313	61	48.5	29	315
9.6	+ 12	751	36.5	647	306	6.0	59	54	21.5	306	86	49.0	- 4	317
9.8	34	750	37.0	669	253	5.5	65	59	22.0	297	110	49.5	+ 21	316
+10.0	+ 55	+749	+37.5	-688	-199	- 5.0	- 71	+ 65	+22.5	+287	-134	+50.0	+ 46	+313
10.5	109	743	38.0	701	143	4.5	78	71	23.0	275	156			
11.0	163	732	38.5	711	86	4.0	86	77	23.5	261	178			
11.5	216	717	39.0	716	- 29	3.5	95	84	24.0	245	198			
12.0	268	697	39.5	716	+ 28	3.0	103	92	24.5	228	217			
+12.5	+319	+674	+40.0	-711	+ 85	- 2.5	-113	+101	+25.0	+209	-234			
13.0	368	646	40.5	702	142	2.0	122	110	25.5	189	250			
13.5	415	615	41.0	689	197	1.5	131	120	26.0	168	264			
14.0	460	580	41.5	671	252	1.0	141	131	26.5	146	277			
14.5	502	541	42.0	649	305	- 0.5	150	143	27.0	123	288			
+15.0	+541	+500	+42.5	-623	+356	0.0	-158	+155	+27.5	+ 99	-297			
15.5	577	455	43.0	592	404	+ 0.5	165	168	28.0	74	303			
16.0	610	407	43.5	558	450	1.0	171	182	28.5	50	308			
16.5	639	357	44.0	521	494	1.5	175	195	29.0	+ 24	311			
17.0	663	305	44.5	480	534	2.0	178	210	29.5	- 1	312			
+17.5	+684	+251	+45.0	-436	+570	+ 2.5	-178	+224	+30.0	- 26	-311			
18.0	700	196	45.5	389	603	3.0	177	238	30.5	51	308			
18.5	712	139	46.0	340	632	3.5	173	252	31.0	76	303			
19.0	720	82	46.5	288	657	4.0	167	266	31.5	100	296			
19.5	723	+ 24	47.0	235	678	4.5	159	279	32.0	124	287			
+20.0	+722	- 34	+47.5	-180	+695	+ 5.0	-149	+291	+32.5	-147	-276			
20.5	716	91	48.0	124	707	5.5	137	303	33.0	169	264			
21.0	705	148	48.5	67	715	6.0	123	313	33.5	190	249			
21.5	690	204	49.0	- 10	718	6.5	107	322	34.0	209	233			
22.0	671	258	49.5	+ 48	716	7.0	90	330	34.5	227	216			
+22.5	+647	-311	+50.0	+105	+710	+ 7.5	- 71	+336	+35.0	-244	-197			

$$\bar{\omega} = 0.16$$

$$4\pi W_e \times 10^4$$

$n = 10$			$n = 10$			$n = 12$			$n = 12$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+ 1	+10	+ 25	+181	-50	0	+ 1	+15	+70	+68
48	0	1	11	47	175	48	0	1	16	77	57
46	0	1	12	68	166	46	0	1	17	83	44
44	0	1	13	89	153	44	0	1	18	87	30
42	0	1	14	108	138	42	- 1	1	19	89	16
-40	- 1	+ 1	+15	+125	+119	-40	- 1	+ 1	+20	+88	+ 2
38	1	2	16	139	98	38	1	2	21	86	-12
36	1	2	17	150	75	36	1	2	22	82	26
34	1	2	18	158	50	34	1	2	23	75	38
32	1	2	19	162	+ 24	32	1	3	24	67	50
-30	- 2	+ 3	+20	+161	- 2	-30	- 1	+ 3	+25	+58	-60
28	2	4	21	157	27	28	2	4	26	46	68
26	2	4	22	150	52	26	2	4	27	34	74
24	3	5	23	138	75	24	3	5	28	21	79
22	4	6	24	123	96	22	3	5	29	+ 8	81
-20	- 5	+ 8	+25	+105	-114	-20	- 4	+ 7	+30	- 6	-81
18	6	9	26	85	129	18	5	8	31	20	79
16	8	11	27	62	141	16	7	10	32	32	75
14	11	14	28	38	149	14	9	13	33	44	69
12	15	18	29	+ 13	154	12	12	16	34	55	61
-10	-20	+ 24	+30	- 12	-154	-10	-15	+ 20	+35	-65	-51
9	24	28	31	37	150	8	20	26	36	72	40
8	28	32	32	61	142	6	26	33	37	78	28
7	33	37	33	83	130	4	32	42	38	82	15
6	39	42	34	103	115	- 2	38	53	39	84	- 2
- 5	-45	+ 49	+35	-121	- 97	0	-42	+ 66	+40	-83	+11
4	52	57	36	135	77	+ 1	43	73	41	81	25
3	59	65	37	146	54	2	42	80	42	76	37
2	66	75	38	153	30	3	40	86	43	69	49
- 1	73	87	39	156	- 5	4	36	92	44	61	59
0	-79	+ 99	+40	-156	+ 20	+ 5	-30	+ 98	+45	-51	+68
+ 1	82	112	41	151	44	6	23	102	46	40	75
2	83	125	42	142	68	7	14	105	47	27	81
3	80	138	43	130	89	8	- 4	107	48	14	84
4	74	150	44	114	109	9	+ 6	106	49	- 1	85
+ 5	-65	+162	+45	- 95	+125	+10	+18	+105	+50	+13	+84
6	52	171	46	74	139	11	29	101			
7	36	178	47	51	149	12	40	95			
8	-17	182	48	27	156	13	51	88			
9	+ 3	183	49	- 2	158	14	61	79			
+10	+25	+181	+50	+ 23	+156	+15	+70	+ 68			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.16$$

$n = 14$			$n = 14$			$n = 16$			$n = 18$		$n = 20$	
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-50	0	+1	+25	+33	-32	-50	0	+1	0	+1	0	+1
48	0	1	26	26	37	48	0	1	0	1	0	1
46	-1	1	27	20	41	46	-1	1	0	1	0	1
44	1	1	28	12	43	44	1	1	0	1	0	1
42	1	1	29	+5	45	42	1	1	0	1	0	1
-40	-1	+2	+30	-3	-45	-40	-1	+1	-1	+1	0	+1
38	1	2	31	11	44	38	1	2	1	1	0	2
36	1	2	32	18	41	36	1	2	1	1	0	2
34	1	2	33	25	38	34	1	2	1	2	0	2
32	1	2	34	31	34	32	1	2	1	2	-1	2
-30	-1	+3	+35	-36	-28	-30	-1	+3	-1	+2	-1	+2
28	1	3	36	40	22	28	1	3	1	3	1	2
26	2	3	37	44	15	26	2	3	2	3	1	3
24	2	4	38	46	8	24	2	4	2	4	1	3
22	3	5	39	47	-1	22	3	5	2	4	2	4
-20	-3	+6	+40	-47	+7	-20	-3	+6	-2	+5	-2	+4
18	4	7	41	45	14	18	4	7	3	6	3	5
16	5	9	42	43	21	16	5	8	3	7	3	6
14	7	11	43	39	28	14	6	9	4	8	4	7
12	9	13	44	34	34	12	7	11	5	10	4	8
-10	-11	+17	+45	-29	+39	-10	-8	+14	-6	+11	-5	+9
8	14	21	46	22	43	8	10	17	7	14	5	11
6	17	26	47	15	46	6	12	20	8	16	6	13
4	20	32	48	-8	48	4	13	24	9	18	6	15
-2	23	39	49	0	49	-2	14	29	9	21	6	17
0	-24	+46	+50	+8	+48	0	-14	+33	-8	+24	-5	+18
+1	23	50				+2	12	37	7	26	4	20
2	22	54				4	9	41	5	28	-3	21
3	21	57				6	-4	43	-2	29	0	21
4	18	60				8	+2	43	+2	29	+2	21
+5	-14	+63				+10	+9	+42	+6	+28	+5	+20
6	10	65				12	16	38	11	25	8	18
7	-5	66				14	23	31	14	21	10	15
8	0	66				16	28	23	17	16	12	12
9	+6	66				18	31	14	19	10	12	8
+10	+13	+64				+20	+31	+4	+19	+4	+12	+4
11	19	62				22	28	-6	17	-2	11	0
12	25	58				24	23	14	15	7	9	-3
13	31	54				26	16	20	10	11	7	6
14	36	48				28	+8	24	+5	13	+3	7
+15	+41	+42				+30	-2	-25	0	-14	0	-8
16	45	35				32	10	23	-5	13	-3	7
17	48	28				34	18	19	10	11	6	6
18	50	20				36	24	12	14	7	8	4
19	51	11				38	27	-4	16	-2	10	-1
+20	+51	+3				+40	-27	+5	-16	+3	-10	+3
21	49	-5				42	25	13	15	8	9	6
22	47	13				44	20	20	12	12	7	8
23	43	20				46	13	25	8	15	4	10
24	38	26				48	-4	28	-3	17	-1	11
+25	+33	-32				+50	+4	+28	+2	+17	+2	+11

$$\bar{\omega} = 0.16$$

$$4\pi W_e \times 10^4$$

			$n = 22$		$n = 24$		$n = 26$		$n = 28$					
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}				
-50	0	+1	0	+1	0	+1	0	+1	0	+1				
45	0	1	0	1	0	1	0	1	0	1				
40	-1	1	0	1	0	1	0	1	0	1				
35	1	2	0	1	0	1	0	1	0	1				
30	1	2	-1	2	-1	2	-1	2	-1	2				
-25	-1	+3	-1	+3	-1	+2	-1	+2	-1	+2				
20	2	4	1	3	1	3	1	3	1	3				
15	2	6	2	5	2	4	2	4	1	4				
10	3	8	3	6	2	6	2	6	1	5				
-5	4	11	3	9	2	7	2	7	1	6				
0	-3	+14	-2	+11	-1	+8	-1	+8	-1	+7				
+5	-1	15	0	12	0	9	0	9	0	7				
10	+4	14	+3	11	+2	8	+2	8	+1	6				
15	7	10	5	8	3	6	3	6	2	5				
20	8	+4	6	+3	4	+3	4	+3	3	3				
+25	+5	-2	+4	-1	+2	0	+2	0	+2	+1				
30	0	4	0	2	0	-1	0	-1	0	0				
35	-4	-3	-3	-1	-1	0	-1	0	-1	0				
40	6	+2	4	+2	2	+1	2	+1	1	+1				
45	-4	6	-2	4	-1	3	-1	3	-1	2				
+50	+1	+7	+1	+5	+1	+3	+1	+3	0	+2				
			$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-50	0	0	0	+1	0	0	0	0	0	0	0	0	0	0
40	0	+1	0	1	0	+1	0	+1	+1	+1	+1	+1	+1	+1
30	-1	2	-1	1	0	1	0	1	1	1	1	1	1	1
20	1	2	1	2	-1	2	-1	2	2	2	2	2	2	2
-10	1	4	-1	3	-1	3	-1	3	2	2	2	2	2	2
0	-1	+5	0	+4	0	+4	0	+4	+3	+3	+3	+3	+2	+2
+10	+1	5	+1	4	+1	3	+1	3	3	3	2	2	2	2
20	+2	+2	1	2	+1	2	+1	2	2	2	1	1	1	1
30	0	0	+1	1	0	1	0	1	1	1	1	1	1	1
40	-1	+1	0	1	0	1	0	1	1	1	1	1	+1	+1
+50	0	+2	0	+1	0	+1	0	+1	+1	+1	+1	+1	0	0

$4\pi W_e \times 10^4$ is zero for $n = 36, 38, 40$.

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+1	-8.5	-71	+56	-3.25	-736	+289	-2.10	-1882	+534
49	0	1	8.4	73	57	3.20	761	295	2.09	1900	538
48	0	1	8.3	76	59	3.15	789	303	2.08	1919	541
47	0	1	8.2	78	60	3.10	817	310	2.07	1938	545
46	0	1	8.1	81	61	3.05	847	317	2.06	1958	548
-45	0	+1	-8.0	-83	+63	-3.00	-879	+325	-2.05	-1977	+552
44	0	1	7.9	86	64	2.95	912	333	2.04	1997	555
43	0	1	7.8	89	66	2.90	947	341	2.03	2018	559
42	-1	1	7.7	92	68	2.85	983	350	2.02	2038	562
41	1	1	7.6	95	69	2.80	1022	359	2.01	2059	566
-40	-1	+2	-7.5	-99	+71	-2.75	-1063	+368	-2.00	-2080	+570
39	1	2	7.4	102	73	2.70	1106	378	1.99	2102	574
38	1	2	7.3	106	75	2.65	1151	388	1.98	2124	577
37	1	2	7.2	110	77	2.60	1199	399	1.97	2146	581
36	1	2	7.1	114	79	2.55	1250	410	1.96	2168	585
-35	-1	+2	-7.0	-118	+81	-2.50	-1304	+421	-1.95	-2191	+589
34	1	2	6.9	122	83	2.49	1316	424	1.94	2214	593
33	1	3	6.8	127	85	2.48	1327	426	1.93	2238	597
32	1	3	6.7	132	88	2.47	1338	429	1.92	2261	601
31	1	3	6.6	137	90	2.46	1350	431	1.91	2286	605
-30	-2	+3	-6.5	-142	+93	-2.45	-1362	+433	-1.90	-2310	+609
29	2	3	6.4	148	95	2.44	1374	436	1.89	2335	613
28	2	3	6.3	154	98	2.43	1386	438	1.88	2360	618
27	2	3	6.2	160	101	2.42	1398	441	1.87	2386	622
26	3	4	6.1	167	104	2.41	1410	443	1.86	2412	626
-25	-3	+5	-6.0	-174	+107	-2.40	-1423	+446	-1.85	-2438	+631
24	3	6	5.9	182	110	2.39	1435	448	1.84	2465	635
23	4	6	5.8	189	113	2.38	1448	451	1.83	2493	640
22	4	7	5.7	198	117	2.37	1461	454	1.82	2520	644
21	5	8	5.6	206	120	2.36	1474	456	1.81	2548	649
-20	-6	+9	-5.5	-216	+124	-2.35	-1487	+459	-1.80	-2577	+653
19	7	10	5.4	225	128	2.34	1501	462	1.79	2606	658
18	8	11	5.3	236	132	2.33	1514	464	1.78	2636	663
17	10	13	5.2	247	136	2.32	1528	467	1.77	2665	667
16	11	14	5.1	259	141	2.31	1542	470	1.76	2696	672
-15	-14	+17	-5.0	-272	+146	-2.30	-1556	+473	-1.75	-2727	+677
14	17	20	4.9	285	151	2.29	1571	476	1.74	2758	682
13	22	24	4.8	300	156	2.28	1585	478	1.73	2790	687
12	28	28	4.7	315	162	2.27	1600	481	1.72	2823	692
11	35	34	4.6	332	168	2.26	1615	484	1.71	2856	697
-10.0	-46	+41	-4.5	-349	+174	-2.25	-1630	+487	-1.70	-2889	+702
9.9	47	42	4.4	368	180	2.24	1645	490	1.69	2923	708
9.8	48	42	4.3	389	187	2.23	1661	493	1.68	2958	713
9.7	50	43	4.2	410	194	2.22	1676	496	1.67	2993	718
9.6	51	44	4.1	434	202	2.21	1692	499	1.66	3029	724
-9.5	-53	+45	-4.0	-460	+210	-2.20	-1708	+502	-1.65	-3066	+729
9.4	54	46	3.9	487	218	2.19	1725	505	1.64	3103	735
9.3	56	47	3.8	517	227	2.18	1741	508	1.63	3140	740
9.2	57	48	3.7	550	237	2.17	1758	511	1.62	3179	746
9.1	59	49	3.6	585	247	2.16	1775	514	1.61	3218	752
-9.0	-61	+50	-3.50	-624	+258	-2.15	-1792	+518	-1.60	-3258	+758
8.9	63	51	3.45	644	264	2.14	1809	521			
8.8	65	52	3.40	666	270	2.13	1827	524			
8.7	67	54	3.35	688	276	2.12	1845	527			
8.6	69	55	3.30	712	282	2.11	1863	531			
-8.5	-71	+56	-3.25	-736	+289	-2.10	-1882	+534			

$$\bar{\omega} = 0.18$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.78497	+ 923	-0.13067	- 328	+1.00	+49330	- 6242	+1.60	+43682	-11218	
0.9	0.84384	1026	0.09741	354	1.01	49179	6330	1.61	43621	11296	
0.8	0.91300	1145	0.06769	382	1.02	49031	6419	1.62	43560	11375	
0.7	0.99364	1283	0.04179	415	1.03	48887	6507	1.63	43500	11453	
0.6	1.08713	1430	0.02004	452	1.04	48745	6595	1.64	43440	11531	
-0.5	+1.19494	+1590	-0.00281	- 491	+1.05	+48607	- 6682	+1.65	+43381	-11610	
0.4	1.31864	1744	+0.00951	536	1.06	48471	6770	1.66	43322	11688	
0.3	1.45976	1888	0.01647	587	1.07	48338	6857	1.67	43264	11766	
0.2	1.61970	2000	0.01756	639	1.08	48208	6944	1.68	43206	11843	
-0.1	1.79956	2068	+0.01226	696	1.09	48080	7030	1.69	43149	11921	
0.0	+2.00000	+2078	0.00000	- 759	+1.10	+47955	- 7117	+1.70	+43092	-11999	
+0.1	2.22111	2026	-0.01985	821	1.11	47832	7203	1.71	43036	12076	
0.2	2.46238	1920	0.04791	877	1.12	47711	7289	1.72	42980	12154	
0.3	2.72276	1764	0.08474	926	1.13	47593	7375	1.73	42924	12231	
0.4	3.00073	1582	0.13083	975	1.14	47477	7460	1.74	42869	12308	
+0.5	+3.29449	+1383	-0.18667	-1012	+1.15	+47363	- 7546	+1.75	+42814	-12385	
0.6	3.60208	1187	0.25263	1050	1.16	47252	7631	1.76	42759	12462	
0.7	3.92155	997	0.32909	1078	1.17	47142	7716	1.77	42705	12539	
0.8	4.25101	819	0.41633	1104	1.18	47034	7800	1.78	42651	12616	
0.9	4.58869	659	0.51461	1126	1.19	46928	7885	1.79	42598	12693	
+1.0	+4.93299	+ 517	-0.62415	-1139	+1.20	+46824	- 7969	+1.80	+42545	-12769	
$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln t $					1.21	46721	8053	1.81	42492	12846	
$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln t $					1.22	46621	8138	1.82	42440	12922	
$4\pi W_e \times 10^4$					1.23	46522	8221	1.83	42387	12999	
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	1.24	46424	8305	1.84	42335	13075
-1.60	-3258	+758	-1.30	-4859	+ 973	+1.25	+46329	- 8388	+1.85	+42284	-13151
1.59	3208	764	1.29	4930	982	1.26	46234	8472	1.86	42233	13227
1.58	3339	769	1.28	5003	990	1.27	46141	8555	1.87	42181	13303
1.57	3381	776	1.27	5077	1000	1.28	46050	8638	1.88	42131	13379
1.56	3423	782	1.26	5152	1009	1.29	45960	8721	1.89	42080	13455
-1.55	-3467	+788	-1.25	-5230	+1018	+1.30	+45871	- 8803	+1.90	+42030	-13530
1.54	3511	794	1.24	5309	1028	1.31	45784	8886	1.91	41980	13606
1.53	3556	801	1.23	5389	1037	1.32	45698	8968	1.92	41930	13682
1.52	3601	807	1.22	5472	1047	1.33	45613	9050	1.93	41880	13757
1.51	3648	813	1.21	5556	1057	1.34	45529	9132	1.94	41831	13832
-1.50	-3695	+820	-1.20	-5642	+1067	+1.35	+45447	- 9214	+1.95	+41782	-13908
1.49	3744	827	1.19	5730	1077	1.36	45366	9296	1.96	41733	13983
1.48	3793	834	1.18	5820	1088	1.37	45285	9378	1.97	41684	14058
1.47	3843	840	1.17	5912	1098	1.38	45206	9459	1.98	41636	14133
1.46	3894	847	1.16	6006	1109	1.39	45128	9540	1.99	41587	14208
-1.45	-3946	+854	-1.15	-6102	+1120	+1.40	+45051	- 9621	+2.00	+41539	-14283
1.44	3999	862	1.14	6200	1131	1.41	44975	9702	2.05	41301	14655
1.43	4053	869	1.13	6301	1142	1.42	44899	9783	2.10	41067	15026
1.42	4108	876	1.12	6404	1153	1.43	44825	9864	2.15	40835	15395
1.41	4164	884	1.11	6509	1165	1.44	44752	9945	2.20	40607	15761
-1.40	-4221	+891	-1.10	-6617	+1177	+1.45	+44679	-10025	+2.25	+40381	-16125
1.39	4279	899	1.09	6727	1189	1.46	44608	10106	2.30	40156	16488
1.38	4339	907	1.08	6840	1201	1.47	44537	10186	2.35	39933	16848
1.37	4399	914	1.07	6956	1214	1.48	44467	10266	2.40	39711	17207
1.36	4461	922	1.06	7074	1226	1.49	44398	10346	2.45	39489	17563
-1.35	-4524	+930	-1.05	-7196	+1239	+1.50	+44329	-10426	+2.50	+39269	-17917
1.34	4588	939	1.04	7320	1252	1.51	44262	10505	2.55	39048	18270
1.33	4654	947	1.03	7448	1265	1.52	44195	10585	2.60	38827	18620
1.32	4721	955	1.02	7578	1279	1.53	44128	10665	2.65	38607	18969
1.31	4789	964	1.01	7712	1293	1.54	44063	10744	2.70	38385	19315
-1.30	-4859	+973	-1.00	-7850	+1307	+1.55	+43998	-10823	+2.75	+38163	-19660
						1.56	43933	10902	2.80	37941	20002
						1.57	43870	10981	2.85	37718	20343
						1.58	43807	11060	2.90	37493	20681
						1.59	43744	11139	2.95	37268	21017
						+1.60	+43682	-11218	+3.00	+37041	-21352

$$\bar{\omega} = 0.18$$

$$n = 0$$

$$4\pi W_e \times 10^4$$

t	R	I	t	R	I	t	R	I	t	R	I
+3.00	+37041	-21352	+6.00	+20046	-37078	+9.00	-2013	-42060	+12.00	-23401	-35024
3.05	36813	21684	6.05	19707	37257	9.05	2393	42040	12.05	23716	34812
3.10	36584	22014	6.10	19366	37433	9.10	2772	42017	12.10	24029	34597
3.15	36352	22343	6.15	19024	37605	9.15	3151	41990	12.15	24340	34380
3.20	36120	22669	6.20	18681	37775	9.20	3531	41960	12.20	24649	34159
+3.25	+35887	-22993	+6.25	+18336	-37942	+9.25	-3909	-41927	+12.25	-24956	-33936
3.30	35651	23315	6.30	17990	38105	9.30	4288	41890	12.30	25261	33710
3.35	35414	23635	6.35	17642	38265	9.35	4666	41850	12.35	25564	33481
3.40	35175	23952	6.40	17294	38423	9.40	5043	41806	12.40	25865	33250
3.45	34934	24268	6.45	16943	38577	9.45	5421	41759	12.45	26163	33016
+3.50	+34691	-24581	+6.50	+16592	-38728	+9.50	-5797	-41709	+12.50	-26460	-32779
3.55	34447	24893	6.55	16239	38875	9.55	6174	41655	12.55	26754	32539
3.60	34200	25202	6.60	15885	39020	9.60	6549	41597	12.60	27047	32297
3.65	33952	25508	6.65	15530	39161	9.65	6925	41537	12.65	27337	32052
3.70	33701	25813	6.70	15173	39299	9.70	7299	41473	12.70	27625	31805
+3.75	+33449	-26115	+6.75	+14816	-39434	+9.75	-7673	-41405	+12.75	-27910	-31555
3.80	33195	26415	6.80	14457	39566	9.80	8047	41335	12.80	28194	31303
3.85	32938	26712	6.85	14097	39695	9.85	8420	41260	12.85	28475	31048
3.90	32680	27008	6.90	13736	39820	9.90	8792	41183	12.90	28753	30790
3.95	32419	27301	6.95	13375	39942	9.95	9163	41102	12.95	29030	30530
+4.00	+32157	-27591	+7.00	+13012	-40061	+10.00	-9534	-41018	+13.00	-29304	-30268
4.05	31892	27879	7.05	12648	40176	10.05	9903	40931	13.05	29576	30003
4.10	31626	28165	7.10	12283	40288	10.10	10272	40840	13.10	29845	29735
4.15	31357	28448	7.15	11917	40397	10.15	10640	40746	13.15	30112	29466
4.20	31087	28729	7.20	11550	40503	10.20	11008	40648	13.20	30376	29193
+4.25	+30814	-29008	+7.25	+11183	-40605	+10.25	-11374	-40548	+13.25	-30638	-28919
4.30	30539	29284	7.30	10814	40704	10.30	11739	40444	13.30	30898	28642
4.35	30262	29558	7.35	10445	40800	10.35	12104	40336	13.35	31155	28363
4.40	29983	29829	7.40	10075	40892	10.40	12467	40226	13.40	31409	28081
4.45	29703	30097	7.45	9704	40981	10.45	12830	40112	13.45	31661	27797
+4.50	+29420	-30363	+7.50	+9332	-41067	+10.50	-13191	-39995	+13.50	-31910	-27511
4.55	29135	30627	7.55	8960	41149	10.55	13551	39875	13.55	32157	27223
4.60	28848	30888	7.60	8587	41228	10.60	13910	39751	13.60	32401	26933
4.65	28559	31146	7.65	8213	41304	10.65	14268	39624	13.65	32643	26640
4.70	28267	31402	7.70	7839	41376	10.70	14625	39494	13.70	32881	26345
+4.75	+27974	-31655	+7.75	+7464	-41445	+10.75	-14981	-39361	+13.75	-33118	-26048
4.80	27679	31905	7.80	7089	41510	10.80	15335	39225	13.80	33351	25749
4.85	27382	32153	7.85	6713	41572	10.85	15688	39085	13.85	33582	25448
4.90	27083	32398	7.90	6336	41631	10.90	16040	38942	13.90	33810	25144
4.95	26782	32641	7.95	5960	41687	10.95	16391	38796	13.95	34035	24839
+5.00	+26480	-32880	+8.00	+5582	-41739	+11.00	-16740	-38647	+14.00	-34258	-24532
5.05	26175	33117	8.05	5204	41787	11.05	17088	38495	14.05	34478	24223
5.10	25868	33351	8.10	4826	41832	11.10	17435	38340	14.10	34695	23911
5.15	25560	33583	8.15	4448	41874	11.15	17780	38181	14.15	34909	23598
5.20	25249	33812	8.20	4069	41912	11.20	18123	38019	14.20	35120	23283
+5.25	+24937	-34037	+8.25	+3690	-41947	+11.25	-18465	-37855	+14.25	-35329	-22966
5.30	24623	34260	8.30	3310	41979	11.30	18806	37687	14.30	35534	22647
5.35	24307	34481	8.35	2931	42007	11.35	19145	37516	14.35	35737	22326
5.40	23990	34698	8.40	2551	42031	11.40	19483	37342	14.40	35937	22004
5.45	23670	34912	8.45	2171	42053	11.45	19818	37166	14.45	36134	21680
+5.50	+23349	-35124	+8.50	+1791	-42070	+11.50	-20153	-36986	+14.50	-36328	-21354
5.55	23026	35333	8.55	1410	42085	11.55	20485	36803	14.55	36519	21026
5.60	22702	35538	8.60	1030	42096	11.60	20816	36617	14.60	36707	20696
5.65	22375	35741	8.65	649	42103	11.65	21146	36428	14.65	36892	20365
5.70	22047	35941	8.70	269	42107	11.70	21473	36236	14.70	37074	20032
+5.75	+21718	-36138	+8.75	-112	-42108	+11.75	-21799	-36041	+14.75	-37253	-19698
5.80	21387	36332	8.80	492	42105	11.80	22123	35844	14.80	37429	19362
5.85	21054	36523	8.85	872	42099	11.85	22446	35643	14.85	37602	19024
5.90	20719	36711	8.90	1253	42090	11.90	22766	35440	14.90	37772	18685
5.95	20383	36896	8.95	1633	42077	11.95	23085	35233	14.95	37939	18344
+6.00	+20046	-37078	+9.00	-2013	-42060	+12.00	-23401	-35024	+15.00	-38103	-18002

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+15.00	-38103	-18002	+18.00	-41949	+4153	+21.00	-33853	+25133	+24.00	-16119	+38963
15.05	38264	17658	18.05	41910	4531	21.05	33625	25436	24.05	15768	39106
15.10	38422	17313	18.10	41868	4908	21.10	33395	25738	24.10	15415	39246
15.15	38576	16967	18.15	41822	5284	21.15	33162	26037	24.15	15062	39383
15.20	38727	16619	18.20	41773	5661	21.20	32926	26335	24.20	14707	39517
+15.25	-38876	-16270	+18.25	-41721	+6036	+21.25	-32688	+26630	+24.25	-14351	+39648
15.30	39021	15919	18.30	41665	6412	21.30	32447	26923	24.30	13993	39776
15.35	39163	15567	18.35	41606	6786	21.35	32204	27214	24.35	13635	39900
15.40	39302	15214	18.40	41543	7160	21.40	31958	27503	24.40	13275	40021
15.45	39437	14860	18.45	41477	7534	21.45	31709	27789	24.45	12914	40139
+15.50	-39570	-14505	+18.50	-41408	+7907	+21.50	-31458	+28074	+24.50	-12553	+40254
15.55	39699	14148	18.55	41335	8279	21.55	31204	28356	24.55	12190	40365
15.60	39825	13790	18.60	41259	8651	21.60	30947	28635	24.60	11826	40473
15.65	39948	13431	18.65	41180	9022	21.65	30689	28913	24.65	11462	40578
15.70	40067	13071	18.70	41097	9392	21.70	30427	29188	24.70	11096	40679
+15.75	-40183	-12710	+18.75	-41011	+9762	+21.75	-30163	+29460	+24.75	-10730	+40777
15.80	40296	12348	18.80	40921	10130	21.80	29897	29731	24.80	10362	40872
15.85	40406	11985	18.85	40829	10498	21.85	29629	29998	24.85	9994	40964
15.90	40513	11620	18.90	40733	10865	21.90	29357	30264	24.90	9625	41052
15.95	40616	11255	18.95	40634	11231	21.95	29084	30527	24.95	9255	41137
+16.00	-40716	-10889	+19.00	-40531	+11597	+22.00	-28808	+30788	+25.00	-8885	+41219
16.05	40812	10523	19.05	40425	11961	22.05	28530	31046	25.05	8514	41297
16.10	40906	10155	19.10	40316	12324	22.10	28250	31301	25.10	8142	41372
16.15	40996	9786	19.15	40204	12687	22.15	27967	31554	25.15	7769	41444
16.20	41082	9417	19.20	40088	13048	22.20	27682	31804	25.20	7396	41512
+16.25	-41166	-9047	+19.25	-39969	+13408	+22.25	-27395	+32052	+25.25	-7022	+41577
16.30	41246	8676	19.30	39847	13767	22.30	27105	32298	25.30	6648	41638
16.35	41322	8304	19.35	39721	14125	22.35	26813	32540	25.35	6273	41696
16.40	41395	7932	19.40	39593	14482	22.40	26520	32780	25.40	5897	41751
16.45	41465	7559	19.45	39461	14838	22.45	26224	33018	25.45	5521	41802
+16.50	-41532	-7186	+19.50	-39326	+15193	+22.50	-25925	+33252	+25.50	-5145	+41850
16.55	41595	6812	19.55	39188	15546	22.55	25625	33484	25.55	4768	41895
16.60	41655	6437	19.60	39047	15898	22.60	25323	33713	25.60	4391	41936
16.65	41711	6062	19.65	38902	16249	22.65	25018	33940	25.65	4013	41974
16.70	41764	5686	19.70	38754	16598	22.70	24712	34164	25.70	3635	42008
+16.75	-41814	-5310	+19.75	-38603	+16946	+22.75	-24404	+34385	+25.75	-3257	+42039
16.80	41860	4934	19.80	38449	17293	22.80	24093	34603	25.80	2879	42067
16.85	41903	4557	19.85	38292	17638	22.85	23781	34818	25.85	2500	42091
16.90	41943	4179	19.90	38132	17982	22.90	23467	35031	25.90	2121	42112
16.95	41979	3802	19.95	37969	18325	22.95	23151	35241	25.95	1742	42129
+17.00	-42012	-3424	+20.00	-37803	+18666	+23.00	-22833	+35448	+26.00	-1363	+42143
17.05	42041	3045	20.05	37633	19005	23.05	22513	35652	26.05	984	42154
17.10	42067	2667	20.10	37461	19343	23.10	22191	35853	26.10	604	42161
17.15	42089	2288	20.15	37285	19680	23.15	21868	36051	26.15	225	42165
17.20	42108	1909	20.20	37107	20014	23.20	21542	36246	26.20	155	42165
+17.25	-42124	-1530	+20.25	-36925	+20347	+23.25	-21215	+36439	+26.25	+534	+42162
17.30	42136	1151	20.30	36741	20679	23.30	20887	36628	26.30	913	42155
17.35	42145	772	20.35	36553	21009	23.35	20556	36815	26.35	1293	42145
17.40	42151	392	20.40	36363	21337	23.40	20224	36998	26.40	1672	42132
17.45	42153	13	20.45	36169	21663	23.45	19890	37179	26.45	2051	42115
+17.50	-42151	+366	+20.50	-35973	+21988	+23.50	-19555	+37356	+26.50	+2430	+42095
17.55	42146	746	20.55	35774	22311	23.55	19218	37531	26.55	2809	42072
17.60	42138	1125	20.60	35572	22632	23.60	18880	37702	26.60	3187	42045
17.65	42126	1504	20.65	35367	22951	23.65	18540	37871	26.65	3565	42014
17.70	42111	1883	20.70	35159	23269	23.70	18198	38036	26.70	3943	41980
+17.75	-42093	+2262	+20.75	-34948	+23584	+23.75	-17855	+38198	+26.75	+4321	+41943
17.80	42071	2641	20.80	34735	23898	23.80	17511	38357	26.80	4698	41903
17.85	42046	3019	20.85	34518	24209	23.85	17165	38513	26.85	5075	41859
17.90	42017	3398	20.90	34299	24519	23.90	16818	38666	26.90	5452	41811
17.95	41985	3776	20.95	34077	24827	23.95	16469	38816	26.95	5828	41761
+18.00	-41949	+4153	+21.00	-33853	+25133	+24.00	-16119	+38963	+27.00	+6203	+41706

$\bar{\omega} = 0.18$
 $n = 0$

$4\pi W_e \times 10^4$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+27.00	+6203	+41706	+30.00	+26761	+32584	+33.00	+39704	+14189	+36.00	+41348	-8243
27.05	6578	41649	30.05	27053	32341	33.05	39830	13831	36.05	41272	8614
27.10	6953	41588	30.10	27343	32097	33.10	39953	13472	36.10	41193	8985
27.15	7327	41524	30.15	27631	31849	33.15	40072	13112	36.15	41111	9356
27.20	7700	41456	30.20	27916	31599	33.20	40189	12751	36.20	41025	9725
+27.25	+8073	+41385	+30.25	+28200	+31347	+33.25	+40302	+12389	+36.25	+40935	-10094
27.30	8445	41311	30.30	28481	31092	33.30	40412	12026	36.30	40843	10462
27.35	8816	41233	30.35	28759	30834	33.35	40518	11661	36.35	40747	10829
27.40	9187	41152	30.40	29035	30574	33.40	40622	11296	36.40	40648	11196
27.45	9557	41068	30.45	29309	30312	33.45	40722	10930	36.45	40546	11561
+27.50	+9926	+40980	+30.50	+29581	+30047	+33.50	+40818	+10563	+36.50	+40440	-11926
27.55	10295	40889	30.55	29850	29779	33.55	40912	10196	36.55	40331	12289
27.60	10662	40795	30.60	30117	29509	33.60	41002	9827	36.60	40219	12651
27.65	11029	40697	30.65	30381	29237	33.65	41088	9457	36.65	40103	13013
27.70	11395	40596	30.70	30643	28962	33.70	41172	9087	36.70	39984	13373
+27.75	+11760	+40492	+30.75	+30902	+28685	+33.75	+41252	+8716	+36.75	+39862	-13733
27.80	12123	40385	30.80	31159	28406	33.80	41329	8345	36.80	39737	14091
27.85	12486	40274	30.85	31414	28125	33.85	41402	7973	36.85	39609	14448
27.90	12848	40160	30.90	31666	27841	33.90	41472	7600	36.90	39477	14804
27.95	13209	40043	30.95	31915	27555	33.95	41539	7226	36.95	39342	15158
+28.00	+13569	+39922	+31.00	+32162	+27266	+34.00	+41602	+6852	+37.00	+39204	-15512
28.05	13928	39798	31.05	32406	26976	34.05	41662	6477	37.05	39063	15864
28.10	14285	39671	31.10	32647	26683	34.10	41719	6102	37.10	38919	16215
28.15	14642	39541	31.15	32886	26388	34.15	41772	5726	37.15	38771	16565
28.20	14997	39408	31.20	33122	26091	34.20	41822	5350	37.20	38620	16913
+28.25	+15351	+39271	+31.25	+33355	+25792	+34.25	+41868	+4973	+37.25	+38467	-17260
28.30	15704	39132	31.30	33586	25491	34.30	41911	4596	37.30	38310	17605
28.35	16055	38989	31.35	33814	25188	34.35	41951	4219	37.35	38150	17949
28.40	16405	38843	31.40	34039	24882	34.40	41987	3841	37.40	37987	18292
28.45	16754	38693	31.45	34262	24575	34.45	42020	3463	37.45	37820	18633
+28.50	+17102	+38541	+31.50	+34482	+24266	+34.50	+42050	+3085	+37.50	+37651	-18973
28.55	17448	38386	31.55	34699	23954	34.55	42076	2706	37.55	37479	19311
28.60	17793	38227	31.60	34913	23641	34.60	42098	2328	37.60	37303	19647
28.65	18136	38065	31.65	35124	23326	34.65	42117	1949	37.65	37125	19982
28.70	18478	37901	31.70	35333	23009	34.70	42133	1570	37.70	36944	20316
+28.75	+18818	+37733	+31.75	+35538	+22690	+34.75	+42146	+1190	+37.75	+36759	-20647
28.80	19157	37562	31.80	35741	22369	34.80	42155	811	37.80	36572	20977
28.85	19494	37388	31.85	35941	22047	34.85	42160	431	37.85	36382	21306
28.90	19830	37211	31.90	36138	21722	34.90	42162	52	37.90	36189	21632
28.95	20164	37031	31.95	36332	21396	34.95	42161	327	37.95	35992	21957
+29.00	+20496	+36848	+32.00	+36523	+21068	+35.00	+42156	-707	+38.00	+35793	-22280
29.05	20827	36662	32.05	36711	20739	35.05	42148	1086	38.05	35591	22601
29.10	21156	36473	32.10	36896	20407	35.10	42137	1466	38.10	35386	22921
29.15	21483	36281	32.15	37078	20075	35.15	42122	1845	38.15	35179	23238
29.20	21809	36087	32.20	37257	19740	35.20	42103	2224	38.20	34968	23554
+29.25	+22133	+35889	+32.25	+37433	+19404	+35.25	+42082	-2603	+38.25	+34755	-23868
29.30	22455	35688	32.30	37606	19066	35.30	42057	2981	38.30	34538	24179
29.35	22775	35485	32.35	37777	18727	35.35	42028	3360	38.35	34319	24489
29.40	23094	35278	32.40	37944	18386	35.40	41996	3738	38.40	34098	24797
29.45	23410	35069	32.45	38107	18044	35.45	41961	4116	38.45	33873	25103
+29.50	+23725	+34857	+32.50	+38268	+17700	+35.50	+41922	-4493	+38.50	+33646	-25407
29.55	24037	34642	32.55	38426	17355	35.55	41880	4870	38.55	33416	25709
29.60	24348	34424	32.60	38581	17009	35.60	41834	5247	38.60	33183	26008
29.65	24657	34204	32.65	38732	16661	35.65	41785	5623	38.65	32948	26306
29.70	24964	33980	32.70	38880	16312	35.70	41733	5999	38.70	32709	26601
+29.75	+25269	+33754	+32.75	+39026	+15961	+35.75	+41677	-6374	+38.75	+32469	-26895
29.80	25571	33526	32.80	39168	15609	35.80	41618	6749	38.80	32225	27186
29.85	25872	33294	32.85	39307	15256	35.85	41556	7123	38.85	31979	27475
29.90	26170	33060	32.90	39442	14902	35.90	41490	7497	38.90	31731	27761
29.95	26467	32823	32.95	39575	14546	35.95	41421	7870	38.95	31480	28046
+30.00	+26761	+32584	+33.00	+39704	+14189	+36.00	+41348	-8243	+39.00	+31226	-28328

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
+39.00	+31226	-28328	+42.00	+12217	-40351	+45.00	-10268	-40891	+48.00	-29831	-29793
39.05	30970	28608	42.05	11854	40460	45.05	10635	40797	48.05	30098	29524
39.10	30711	28886	42.10	11489	40565	45.10	11002	40699	48.10	30362	29252
39.15	30450	29161	42.15	11124	40666	45.15	11368	40599	48.15	30624	28977
39.20	30186	29434	42.20	10757	40765	45.20	11733	40495	48.20	30884	28700
+39.25	+29920	-29704	+42.25	+10390	-40860	+45.25	-12097	-40387	+48.25	-31141	-28421
39.30	29651	29972	42.30	10022	40952	45.30	12460	40277	48.30	31395	28140
39.35	29380	30238	42.35	9653	41040	45.35	12822	40163	48.35	31647	27856
39.40	29107	30501	42.40	9283	41126	45.40	13183	40046	48.40	31897	27570
39.45	28831	30762	42.45	8912	41208	45.45	13543	39926	48.45	32144	27282
+39.50	+28553	-31020	+42.50	+8541	-41286	+45.50	-13902	-39802	+48.50	-32388	-26992
39.55	28273	31276	42.55	8169	41361	45.55	14259	39676	48.55	32630	26699
39.60	27990	31529	42.60	7797	41433	45.60	14616	39546	48.60	32868	26404
39.65	27705	31779	42.65	7423	41502	45.65	14971	39413	48.65	33105	26107
39.70	27418	32028	42.70	7050	41567	45.70	15325	39276	48.70	33338	25808
+39.75	+27129	-32273	+42.75	+6675	-41628	+45.75	-15678	-39137	+48.75	-33569	-25507
39.80	26837	32516	42.80	6300	41687	45.80	16030	38994	48.80	33798	25204
39.85	26544	32756	42.85	5925	41742	45.85	16380	38848	48.85	34023	24899
39.90	26248	32994	42.90	5549	41794	45.90	16729	38699	48.90	34246	24592
39.95	25950	33228	42.95	5172	41842	45.95	17076	38547	48.95	34466	24283
+40.00	+25650	-33461	+43.00	+4796	-41887	+46.00	-17423	-38392	+49.00	-34683	-23971
40.05	25347	33690	43.05	4418	41928	46.05	17768	38233	49.05	34897	23658
40.10	25043	33917	43.10	4041	41966	46.10	18111	38072	49.10	35109	23343
40.15	24737	34141	43.15	3663	42001	46.15	18453	37907	49.15	35317	23026
40.20	24428	34362	43.20	3285	42032	46.20	18793	37740	49.20	35523	22708
+40.25	+24118	-34581	+43.25	+2906	-42060	+46.25	-19132	-37569	+49.25	-35726	-22387
40.30	23806	34796	43.30	2528	42084	46.30	19469	37395	49.30	35926	22064
40.35	23492	35009	43.35	2149	42105	46.35	19805	37219	49.35	36123	21740
40.40	23176	35219	43.40	1770	42123	46.40	20139	37039	49.40	36318	21414
40.45	22858	35426	43.45	1391	42137	46.45	20472	36856	49.45	36509	21087
+40.50	+22538	-35631	+43.50	+1011	-42148	+46.50	-20803	-36671	+49.50	-36697	-20757
40.55	22217	35832	43.55	632	42156	46.55	21132	36482	49.55	36882	20426
40.60	21893	36030	43.60	252	42160	46.60	21460	36290	49.60	37065	20093
40.65	21568	36226	43.65	127	42160	46.65	21785	36095	49.65	37244	19759
40.70	21241	36419	43.70	506	42157	46.70	22109	35898	49.70	37420	19423
+40.75	+20912	-36608	+43.75	-886	-42151	+46.75	-22431	-35698	+49.75	-37594	-19085
40.80	20582	36795	43.80	1265	42141	46.80	22752	35494	49.80	37764	18746
40.85	20250	36979	43.85	1644	42128	46.85	23070	35288	49.85	37931	18405
40.90	19916	37160	43.90	2023	42112	46.90	23387	35079	49.90	38095	18063
40.95	19581	37337	43.95	2402	42092	46.95	23702	34867	49.95	38256	17720
+41.00	+19244	-37512	+44.00	-2781	-42069	+47.00	-24015	-34652	+50.00	-38414	-17375
41.05	18906	37684	44.05	3160	42042	47.05	24326	34435			
41.10	18566	37852	44.10	3538	42012	47.10	24635	34215			
41.15	18225	38018	44.15	3916	41978	47.15	24941	33991			
41.20	17882	38180	44.20	4293	41941	47.20	25246	33766			
+41.25	+17537	-38340	+44.25	-4671	-41901	+47.25	-25549	-33537			
41.30	17192	38496	44.30	5048	41857	47.30	25850	33306			
41.35	16844	38649	44.35	5424	41810	47.35	26149	33072			
41.40	16496	38799	44.40	5800	41759	47.40	26445	32835			
41.45	16146	38946	44.45	6176	41705	47.45	26740	32596			
+41.50	+15795	-39090	+44.50	-6551	-41648	+47.50	-27032	-32354			
41.55	15442	39230	44.55	6926	41588	47.55	27322	32109			
41.60	15089	39368	44.60	7300	41523	47.60	27610	31862			
41.65	14734	39502	44.65	7673	41456	47.65	27896	31612			
41.70	14378	39633	44.70	8046	41385	47.70	28179	31360			
+41.75	+14020	-39761	+44.75	-8418	-41311	+47.75	-28460	-31105			
41.80	13662	39885	44.80	8789	41234	47.80	28739	30848			
41.85	13302	40007	44.85	9160	41153	47.85	29016	30588			
41.90	12942	40125	44.90	9530	41069	47.90	29290	30325			
41.95	12580	40240	44.95	9899	40982	47.95	29561	30061			
+42.00	+12217	-40351	+45.00	-10268	-40891	+48.00	-29831	-29793			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+1	-8.0	-78	+61	-2.80	-733	+303	-1.60	-1669	+545
49	0	1	7.9	80	62	2.78	742	306	1.58	1694	551
48	0	1	7.8	83	64	2.76	751	309	1.56	1721	558
47	0	1	7.7	86	65	2.74	760	311	1.54	1747	564
46	0	1	7.6	88	67	2.72	770	314	1.52	1775	570
-45	0	+1	-7.5	-91	+68	-2.70	-779	+317	-1.50	-1803	+577
44	0	1	7.4	95	70	2.68	789	320	1.48	1831	583
43	0	1	7.3	98	72	2.66	799	322	1.46	1860	590
42	0	1	7.2	101	74	2.64	809	325	1.44	1889	596
41	0	1	7.1	105	75	2.62	819	328	1.42	1920	603
-40	0	+2	-7.0	-108	+77	-2.60	-830	+331	-1.40	-1950	+610
39	0	2	6.9	112	79	2.58	841	334	1.38	1981	617
38	0	2	6.8	116	81	2.56	851	337	1.36	2013	625
37	-1	2	6.7	120	83	2.54	862	340	1.34	2046	632
36	1	2	6.6	125	86	2.52	873	344	1.32	2079	639
-35	-1	+2	-6.5	-130	+88	-2.50	-885	+347	-1.30	-2113	+647
34	1	2	6.4	134	90	2.48	896	350	1.28	2147	654
33	1	2	6.3	139	93	2.46	908	353	1.26	2182	662
32	1	3	6.2	145	95	2.44	920	357	1.24	2218	670
31	1	3	6.1	150	98	2.42	932	360	1.22	2255	678
-30	-1	+3	-6.0	-156	+101	-2.40	-945	+363	-1.20	-2292	+686
29	2	4	5.9	162	103	2.38	957	367	1.18	2330	695
28	2	4	5.8	169	107	2.36	970	370	1.16	2368	703
27	2	4	5.7	176	110	2.34	983	374	1.14	2408	712
26	3	5	5.6	183	113	2.32	996	377	1.12	2448	720
-25	-3	+5	-5.5	-191	+116	-2.30	-1009	+381	-1.10	-2489	+729
24	3	5	5.4	199	120	2.28	1023	385	1.08	2531	738
23	4	6	5.3	207	123	2.26	1037	388	1.06	2573	748
22	4	7	5.2	216	127	2.24	1051	392	1.04	2617	757
21	5	8	5.1	226	131	2.22	1066	396	1.02	2661	766
-20	-6	+9	-5.0	-236	+135	-2.20	-1080	+400	-1.00	-2706	+776
19	7	10	4.9	246	140	2.18	1095	404	0.98	2752	786
18	8	11	4.8	257	144	2.16	1110	408	0.96	2799	796
17	10	13	4.7	269	149	2.14	1126	412	0.94	2847	806
16	12	15	4.6	282	154	2.12	1141	416	0.92	2895	816
-15	-14	+17	-4.5	-295	+159	-2.10	-1157	+420	-0.90	-2945	+827
14	17	20	4.4	310	165	2.08	1174	424	0.88	2995	838
13	21	23	4.3	325	170	2.06	1190	428	0.86	3047	849
12	27	27	4.2	341	176	2.04	1207	433	0.84	3099	860
11	34	33	4.1	358	183	2.02	1224	437	0.82	3152	871
-10.0	-44	+40	-4.0	-376	+189	-2.00	-1242	+442	-0.80	-3207	+882
9.9	45	40	3.9	396	196	1.98	1260	446	0.78	3262	894
9.8	46	41	3.8	417	203	1.96	1278	451	0.76	3318	906
9.7	47	42	3.7	439	211	1.94	1296	455	0.74	3375	918
9.6	48	43	3.6	463	219	1.92	1315	460	0.72	3433	930
-9.5	-50	+44	-3.5	-489	+228	-1.90	-1334	+465	-0.70	-3493	+943
9.4	51	44	3.4	517	237	1.88	1354	469	0.68	3553	955
9.3	53	45	3.3	546	246	1.86	1374	474	0.66	3614	968
9.2	54	46	3.2	578	256	1.84	1394	479	0.64	3676	981
9.1	56	47	3.1	613	267	1.82	1414	484	0.62	3740	995
-9.0	-58	+48	-3.00	-650	+279	-1.80	-1436	+490	-0.60	-3804	+1008
8.9	59	49	2.98	657	281	1.78	1457	495	0.58	3869	1022
8.8	61	51	2.96	665	283	1.76	1479	500	0.56	3935	1036
8.7	63	52	2.94	673	286	1.74	1501	505	0.54	4003	1050
8.6	65	53	2.92	681	288	1.72	1524	511	0.52	4071	1065
-8.5	-67	+54	-2.90	-689	+290	-1.70	-1547	+516	-0.50	-4140	+1080
8.4	69	55	2.88	698	293	1.68	1570	522	0.48	4210	1095
8.3	71	57	2.86	706	295	1.66	1594	528	0.46	4281	1110
8.2	73	58	2.84	715	298	1.64	1618	533	0.44	4353	1126
8.1	75	59	2.82	724	301	1.62	1643	539	0.42	4426	1141
-8.0	-78	+61	-2.80	-733	+303	-1.60	-1669	+545	-0.40	-4500	+1157

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-0.40	-4500	+1157	+0.80	-8884	+2635	+2.00	-10192	+4745	+3.20	-9667	+6911
0.38	4575	1174	0.82	8932	2667	2.02	10194	4782	3.22	9650	6945
0.36	4650	1190	0.84	8978	2700	2.04	10195	4819	3.24	9632	6980
0.34	4727	1207	0.86	9024	2732	2.06	10196	4855	3.26	9614	7015
0.32	4804	1224	0.88	9068	2765	2.08	10197	4892	3.28	9596	7049
-0.30	-4882	+1242	+0.90	-9112	+2797	+2.10	-10197	+4929	+3.30	-9578	+7084
0.28	4960	1260	0.92	9154	2830	2.12	10196	4965	3.32	9559	7118
0.26	5040	1278	0.94	9196	2863	2.14	10196	5002	3.34	9540	7153
0.24	5119	1296	0.96	9236	2897	2.16	10194	5039	3.36	9521	7187
0.22	5200	1314	0.98	9275	2930	2.18	10193	5076	3.38	9502	7221
-0.20	-5281	+1333	+1.00	-9313	+2963	+2.20	-10191	+5112	+3.40	-9483	+7256
0.18	5362	1352	1.02	9350	2997	2.22	10188	5149	3.42	9463	7290
0.16	5444	1372	1.04	9387	3031	2.24	10186	5186	3.44	9443	7324
0.14	5527	1392	1.06	9422	3064	2.26	10182	5222	3.46	9423	7358
0.12	5609	1412	1.08	9456	3098	2.28	10179	5259	3.48	9403	7391
-0.10	-5692	+1432	+1.10	-9489	+3133	+2.30	-10175	+5296	+3.50	-9382	+7425
0.08	5775	1453	1.12	9521	3167	2.32	10171	5332	3.52	9362	7459
0.06	5858	1474	1.14	9553	3201	2.34	10166	5369	3.54	9341	7493
0.04	5942	1495	1.16	9583	3236	2.36	10161	5405	3.56	9320	7526
-0.02	-6025	+1516	1.18	9612	3270	2.38	10155	5442	3.58	9298	7560
0.00	-6108	+1538	+1.20	-9641	+3305	+2.40	-10150	+5478	+3.60	-9277	+7593
+0.02	6192	1560	1.22	9669	3340	2.42	10144	5515	3.62	9255	7626
0.04	6275	1583	1.24	9696	3374	2.44	10137	5551	3.64	9233	7660
0.06	6358	1606	1.26	9722	3409	2.46	10130	5588	3.66	9211	7693
0.08	6440	1629	1.28	9747	3444	2.48	10123	5624	3.68	9189	7726
+0.10	-6523	+1652	+1.30	-9771	+3480	+2.50	-10116	+5661	+3.70	-9167	+7759
0.12	6605	1676	1.32	9795	3515	2.52	10108	5697	3.72	9144	7792
0.14	6686	1699	1.34	9817	3550	2.54	10099	5733	3.74	9121	7825
0.16	6767	1724	1.36	9839	3585	2.56	10091	5770	3.76	9098	7858
0.18	6848	1748	1.38	9860	3621	2.58	10082	5806	3.78	9075	7890
+0.20	-6928	+1773	+1.40	-9881	+3656	+2.60	-10073	+5842	+3.80	-9052	+7923
0.22	7007	1798	1.42	9900	3692	2.62	10064	5878	3.82	9028	7955
0.24	7086	1823	1.44	9919	3725	2.64	10054	5915	3.84	9004	7988
0.26	7164	1849	1.46	9937	3763	2.66	10044	5951	3.86	8980	8020
0.28	7241	1875	1.48	9955	3799	2.68	10033	5987	3.88	8956	8053
+0.30	-7317	+1901	+1.50	-9972	+3835	+2.70	-10023	+6023	+3.90	-8932	+8085
0.32	7393	1928	1.52	9988	3871	2.72	10012	6059	3.92	8908	8117
0.34	7467	1954	1.54	10003	3907	2.74	10000	6095	3.94	8883	8149
0.36	7541	1981	1.56	10018	3943	2.76	9989	6131	3.96	8858	8181
0.38	7613	2009	1.58	10032	3979	2.78	9977	6167	3.98	8833	8213
+0.40	-7685	+2036	+1.60	-10045	+4015	+2.80	-9965	+6203	+4.0	-8808	+8245
0.42	7756	2064	1.62	10058	4051	2.82	9953	6239	4.1	8680	8402
0.44	7825	2092	1.64	10070	4088	2.84	9940	6274	4.2	8548	8557
0.46	7893	2120	1.66	10081	4124	2.86	9927	6310	4.3	8412	8710
0.48	7961	2149	1.68	10092	4160	2.88	9914	6346	4.4	8272	8860
+0.50	-8027	+2178	+1.70	-10103	+4197	+2.90	-9900	+6382	+4.5	-8128	+9007
0.52	8092	2207	1.72	10112	4233	2.92	9886	6417	4.6	7981	9152
0.54	8156	2236	1.74	10122	4269	2.94	9872	6453	4.7	7830	9295
0.56	8219	2265	1.76	10130	4306	2.96	9858	6488	4.8	7676	9434
0.58	8281	2295	1.78	10138	4342	2.98	9844	6524	4.9	7519	9571
+0.60	-8342	+2325	+1.80	-10146	+4379	+3.00	-9829	+6559	+5.0	-7358	+9705
0.62	8401	2355	1.82	10153	4415	3.02	9814	6595	5.1	7195	9836
0.64	8459	2385	1.84	10159	4452	3.04	9798	6630	5.2	7029	9964
0.66	8517	2416	1.86	10165	4489	3.06	9783	6665	5.3	6859	10089
0.68	8573	2447	1.88	10170	4525	3.08	9767	6701	5.4	6687	10211
+0.70	-8627	+2478	+1.90	-10175	+4562	+3.10	-9751	+6736	+5.5	-6513	+10330
0.72	8681	2509	1.92	10179	4598	3.12	9735	6771	5.6	6335	10445
0.74	8733	2540	1.94	10183	4635	3.14	9718	6806	5.7	6155	10558
0.76	8785	2572	1.96	10187	4672	3.16	9702	6841	5.8	5973	10667
0.78	8835	2604	1.98	10189	4708	3.18	9685	6876	5.9	5789	10773
+0.80	-8884	+2635	+2.00	-10192	+4745	+3.20	-9667	+6911	+6.0	-5602	+10875

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
+ 6.0	-5602	+10875	+12.0	+ 6815	+10184	+18.0	+12165	- 1189	+24.0	+4675	-11283
6.1	5413	10974	12.1	6996	10060	18.1	12142	1408	24.1	4471	11365
6.2	5222	11070	12.2	7175	9932	18.2	12114	1626	24.2	4265	11444
6.3	5029	11162	12.3	7352	9801	18.3	12082	1844	24.3	4059	11518
6.4	4834	11251	12.4	7526	9667	18.4	12047	2061	24.4	3850	11590
+ 6.5	-4637	+11336	+12.5	+ 7698	+ 9530	+18.5	+12008	- 2278	+24.5	+3641	-11657
6.6	4438	11418	12.6	7867	9390	18.6	11964	2494	24.6	3431	11721
6.7	4238	11496	12.7	8034	9247	18.7	11917	2708	24.7	3219	11780
6.8	4036	11571	12.8	8198	9101	18.8	11866	2923	24.8	3006	11836
6.9	3833	11641	12.9	8360	8952	18.9	11812	3136	24.9	2793	11889
+ 7.0	-3628	+11709	+13.0	+ 8519	+ 8800	+19.0	+11753	- 3348	+25.0	+2578	-11937
7.1	3421	11772	13.1	8675	8645	19.1	11690	3559	25.1	2363	11981
7.2	3214	11832	13.2	8828	8488	19.2	11624	3769	25.2	2146	12022
7.3	3005	11888	13.3	8979	8328	19.3	11554	3977	25.3	1930	12059
7.4	2795	11940	13.4	9126	8165	19.4	11481	4184	25.4	1712	12092
+ 7.5	-2584	+11989	+13.5	+ 9271	+ 7999	+19.5	+11403	- 4390	+25.5	+1494	-12120
7.6	2372	12033	13.6	9413	7831	19.6	11322	4595	25.6	1276	12145
7.7	2159	12074	13.7	9551	7660	19.7	11237	4798	25.7	1057	12166
7.8	1945	12111	13.8	9687	7487	19.8	11149	4999	25.8	837	12183
7.9	1731	12144	13.9	9819	7312	19.9	11057	5199	25.9	618	12196
+ 8.0	-1515	+12173	+14.0	+ 9949	+ 7134	+20.0	+10961	- 5398	+26.0	+ 398	-12206
8.1	1300	12198	14.1	10075	6954	20.1	10862	5594	26.1	+ 178	12211
8.2	1083	12220	14.2	10198	6771	20.2	10759	5789	26.2	- 42	12212
8.3	866	12237	14.3	10317	6587	20.3	10653	5981	26.3	262	12209
8.4	649	12251	14.4	10433	6400	20.4	10543	6172	26.4	481	12203
+ 8.5	- 432	+12261	+14.5	+10546	+ 6211	+20.5	+10430	- 6361	+26.5	- 701	-12192
8.6	- 214	12266	14.6	10656	6020	20.6	10314	6547	26.6	920	12177
8.7	+ 4	12268	14.7	10762	5827	20.7	10194	6732	26.7	1140	12159
8.8	222	12266	14.8	10864	5633	20.8	10071	6914	26.8	1358	12136
8.9	440	12260	14.9	10963	5436	20.9	9945	7095	26.9	1577	12110
+ 9.0	+ 658	+12250	+15.0	+11059	+ 5238	+21.0	+ 9815	- 7273	+27.0	-1795	-12080
9.1	876	12236	15.1	11151	5038	21.1	9683	7448	27.1	2012	12045
9.2	1094	12219	15.2	11239	4837	21.2	9547	7621	27.2	2228	12007
9.3	1311	12197	15.3	11324	4634	21.3	9408	7792	27.3	2444	11965
9.4	1528	12171	15.4	11405	4429	21.4	9266	7960	27.4	2659	11919
+ 9.5	+1745	+12142	+15.5	+11482	+ 4223	+21.5	+ 9121	- 8125	+27.5	-2873	-11860
9.6	1961	12109	15.6	11556	4016	21.6	8973	8288	27.6	3087	11816
9.7	2177	12072	15.7	11625	3807	21.7	8822	8448	27.7	3299	11758
9.8	2392	12030	15.8	11692	3597	21.8	8669	8606	27.8	3510	11697
9.9	2606	11986	15.9	11754	3386	21.9	8512	8760	27.9	3720	11632
+10.0	+2819	+11937	+16.0	+11813	+ 3174	+22.0	+ 8353	- 8912	+28.0	-3929	-11563
10.1	3032	11884	16.1	11867	2961	22.1	8191	9061	28.1	4137	11490
10.2	3244	11828	16.2	11918	2747	22.2	8026	9207	28.2	4343	11414
10.3	3454	11767	16.3	11965	2532	22.3	7859	9350	28.3	4548	11334
10.4	3664	11703	16.4	12008	2316	22.4	7689	9490	28.4	4751	11250
+10.5	+3872	+11635	+16.5	+12048	+ 2100	+22.5	+ 7517	- 9627	+28.5	-4953	-11163
10.6	4079	11564	16.6	12083	1882	22.6	7343	9761	28.6	5153	11072
10.7	4285	11489	16.7	12115	1665	22.7	7165	9891	28.7	5352	10977
10.8	4490	11410	16.8	12142	1446	22.8	6986	10018	28.8	5549	10879
10.9	4693	11327	16.9	12166	1227	22.9	6805	10143	28.9	5744	10778
+11.0	+4895	+11241	+17.0	+12186	+ 1008	+23.0	+ 6621	-10263	+29.0	-5937	-10673
11.1	5095	11151	17.1	12201	789	23.1	6435	10381	29.1	6128	10564
11.2	5293	11057	17.2	12213	569	23.2	6247	10495	29.2	6317	10452
11.3	5490	10960	17.3	12221	349	23.3	6057	10606	29.3	6504	10337
11.4	5685	10860	17.4	12225	+ 129	23.4	5865	10713	29.4	6690	10218
+11.5	+5878	+10755	+17.5	+12225	- 91	+23.5	+ 5671	-10817	+29.5	-6872	-10096
11.6	6070	10648	17.6	12221	311	23.6	5475	10917	29.6	7053	9970
11.7	6259	10537	17.7	12213	531	23.7	5277	11014	29.7	7232	9842
11.8	6447	10423	17.8	12201	751	23.8	5078	11107	29.8	7408	9710
11.9	6632	10305	17.9	12185	970	23.9	4877	11197	29.9	7581	9575
+12.0	+6815	+10184	+18.0	+12165	- 1189	+24.0	+ 4675	-11283	+30.0	-7753	- 9437

$$\bar{\omega} = 0.18$$

$$n = 2$$

$$4\pi W_e \times 10^4$$

t	R	I	t	R	I	t	R	I	t	R	I
+30.0	-7753	-9437	+36.0	-11980	+2391	+42.0	-3540	+11694	+48.0	+8644	+8634
30.1	7921	9296	36.1	11935	2606	42.1	3329	11756	48.1	8798	8477
30.2	8087	9152	36.2	11886	2820	42.2	3116	11814	48.2	8949	8317
30.3	8251	9005	36.3	11834	3034	42.3	2903	11868	48.3	9097	8155
30.4	8412	8855	36.4	11777	3246	42.4	2689	11918	48.4	9243	7990
+30.5	-8570	-8702	+36.5	-11717	+3458	+42.5	-2474	+11964	+48.5	+9385	+7822
30.6	8725	8547	36.6	11653	3668	42.6	2259	12007	48.6	9524	7652
30.7	8878	8388	36.7	11585	3877	42.7	2042	12046	48.7	9660	7479
30.8	9027	8227	36.8	11513	4085	42.8	1825	12081	48.8	9793	7304
30.9	9174	8063	36.9	11438	4292	42.9	1607	12111	48.9	9923	7127
+31.0	-9318	-7897	+37.0	-11359	+4497	+43.0	-1389	+12138	+49.0	+10050	+6947
31.1	9458	7728	37.1	11276	4701	43.1	1170	12161	49.1	10173	6765
31.2	9596	7556	37.2	11190	4903	43.2	951	12181	49.2	10293	6581
31.3	9730	7382	37.3	11100	5104	43.3	732	12196	49.3	10410	6395
31.4	9862	7206	37.4	11006	5302	43.4	512	12207	49.4	10524	6206
+31.5	-9990	-7027	+37.5	-10909	+5500	+43.5	-293	+12214	+49.5	+10634	+6016
31.6	10115	6846	37.6	10808	5695	43.6	-73	12217	49.6	10740	5823
31.7	10236	6663	37.7	10704	5889	43.7	+147	12217	49.7	10843	5629
31.8	10355	6478	37.8	10596	6081	43.8	367	12212	49.8	10943	5433
31.9	10470	6291	37.9	10485	6270	43.9	587	12204	49.9	11039	5235
+32.0	-10581	-6101	+38.0	-10371	+6458	+44.0	+806	+12191	+50.0	+11131	+5036
32.1	10689	5910	38.1	10253	6644	44.1	1026	12175			
32.2	10794	5716	38.2	10132	6827	44.2	1245	12154			
32.3	10895	5521	38.3	10007	7008	44.3	1463	12130			
32.4	10993	5324	38.4	9879	7187	44.4	1681	12101			
+32.5	-11087	-5125	+38.5	-9749	+7364	+44.5	+1899	+12069			
32.6	11178	4925	38.6	9614	7538	44.6	2116	12033			
32.7	11265	4723	38.7	9477	7710	44.7	2332	11993			
32.8	11348	4520	38.8	9337	7879	44.8	2547	11949			
32.9	11427	4315	38.9	9194	8046	44.9	2762	11901			
+33.0	-11503	-4108	+39.0	-9047	+8210	+45.0	+2976	+11850			
33.1	11575	3901	39.1	8898	8372	45.1	3189	11794			
33.2	11644	3692	39.2	8746	8531	45.2	3400	11735			
33.3	11708	3482	39.3	8591	8687	45.3	3611	11672			
33.4	11769	3270	39.4	8433	8840	45.4	3821	11605			
+33.5	-11826	-3058	+39.5	-8273	+8990	+45.5	+4029	+11534			
33.6	11879	2845	39.6	8110	9138	45.6	4236	11460			
33.7	11929	2630	39.7	7944	9282	45.7	4441	11382			
33.8	11974	2415	39.8	7776	9424	45.8	4646	11300			
33.9	12016	2199	39.9	7605	9562	45.9	4848	11215			
+34.0	-12054	-1983	+40.0	-7432	+9698	+46.0	+5049	+11126			
34.1	12087	1765	40.1	7256	9830	46.1	5249	11033			
34.2	12117	1548	40.2	7078	9959	46.2	5446	10937			
34.3	12143	1329	40.3	6897	10084	46.3	5642	10837			
34.4	12165	1110	40.4	6715	10207	46.4	5836	10734			
+34.5	-12183	-891	+40.5	-6530	+10326	+46.5	+6029	+10627			
34.6	12197	672	40.6	6343	10442	46.6	6219	10517			
34.7	12207	452	40.7	6154	10554	46.7	6407	10403			
34.8	12214	232	40.8	5963	10664	46.8	6593	10286			
34.9	12216	-13	40.9	5770	10769	46.9	6777	10166			
+35.0	-12214	+207	+41.0	-5576	+10871	+47.0	+6959	+10042			
35.1	12209	427	41.1	5379	10970	47.1	7139	9915			
35.2	12199	647	41.2	5181	11065	47.2	7316	9785			
35.3	12185	866	41.3	4981	11156	47.3	7491	9652			
35.4	12168	1085	41.4	4779	11244	47.4	7663	9516			
+35.5	-12146	+1304	+41.5	-4576	+11328	+47.5	+7833	+9376			
35.6	12121	1523	41.6	4372	11409	47.6	8001	9234			
35.7	12092	1741	41.7	4165	11486	47.7	8166	9088			
35.8	12058	1958	41.8	3958	11559	47.8	8328	8940			
35.9	12021	2175	41.9	3749	11628	47.9	8487	8788			
+36.0	-11980	+2391	+42.0	-3540	+11694	+48.0	+8644	+8634			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+ 1	-10.0	- 38	+ 36	+ 3.0	-1350	+1213	+16.0	+1918	+ 525
48	- 1	1	9.8	40	38	3.2	1338	1262	16.2	1935	455
46	1	1	9.6	42	39	3.4	1321	1310	16.4	1949	385
44	1	1	9.4	44	41	3.6	1301	1357	16.6	1961	315
42	1	1	9.2	47	43	3.8	1277	1403	16.8	1970	244
-40	- 1	+ 1	- 9.0	- 49	+ 45	+ 4.0	-1249	+1449	+17.0	+1977	+ 173
38	1	2	8.8	52	46	4.2	1218	1493	17.2	1981	102
36	1	2	8.6	55	48	4.4	1183	1536	17.4	1983	+ 31
34	1	2	8.4	58	50	4.6	1146	1578	17.6	1982	- 41
32	1	3	8.2	61	52	4.8	1106	1619	17.8	1978	112
-30	- 1	+ 3	- 8.0	- 64	+ 55	+ 5.0	-1063	+1658	+18.0	+1972	- 183
28	2	4	7.8	68	57	5.2	1017	1695	18.2	1964	254
26	2	4	7.6	72	59	5.4	969	1731	18.4	1953	325
24	3	5	7.4	77	62	5.6	919	1765	18.6	1939	395
22	4	7	7.2	81	65	5.8	867	1797	18.8	1923	464
-20.0	- 6	+ 8	- 7.0	- 86	+ 68	+ 6.0	- 813	+1827	+19.0	+1905	- 533
19.8	6	8	6.8	92	71	6.2	757	1855	19.2	1884	601
19.6	6	9	6.6	98	74	6.4	699	1882	19.4	1860	669
19.4	7	9	6.4	104	78	6.6	640	1906	19.6	1835	735
19.2	7	9	6.2	111	82	6.8	579	1928	19.8	1806	801
-19.0	- 7	+ 9	- 6.0	- 118	+ 86	+ 7.0	- 517	+1947	+20.0	+1776	- 865
18.8	7	10	5.8	126	90	7.2	454	1965	20.2	1743	929
18.6	7	10	5.6	134	95	7.4	390	1980	20.4	1708	991
18.4	8	10	5.4	144	100	7.6	326	1993	20.6	1671	1052
18.2	8	10	5.2	154	105	7.8	260	2004	20.8	1632	1111
-18.0	- 8	+11	- 5.0	- 165	+ 111	+ 8.0	- 193	+2012	+21.0	+1590	-1169
17.8	8	11	4.8	177	117	8.2	126	2018	21.2	1547	1226
17.6	8	11	4.6	190	124	8.4	- 59	2021	21.4	1501	1280
17.4	9	11	4.4	204	131	8.6	+ 10	2022	21.6	1454	1334
17.2	9	12	4.2	219	139	8.8	78	2020	21.8	1404	1385
-17.0	- 9	+12	- 4.0	- 236	+ 147	+ 9.0	+ 146	+2016	+22.0	+1353	-1435
16.8	10	12	3.8	254	156	9.2	215	2010	22.2	1300	1483
16.6	10	13	3.6	274	165	9.4	283	2001	22.4	1246	1528
16.4	10	13	3.4	295	175	9.6	351	1989	22.6	1190	1572
16.2	11	14	3.2	318	187	9.8	419	1975	22.8	1132	1614
-16.0	-11	+14	- 3.0	- 343	+ 198	+10.0	+ 487	+1959	+23.0	+1073	-1654
15.8	11	14	2.8	371	211	10.2	554	1940	23.2	1012	1691
15.6	12	15	2.6	400	225	10.4	620	1919	23.4	950	1727
15.4	12	15	2.4	432	240	10.6	686	1896	23.6	887	1760
15.2	13	16	2.2	467	256	10.8	751	1870	23.8	823	1790
-15.0	-13	+16	- 2.0	- 504	+ 274	+11.0	+ 816	+1842	+24.0	+ 758	-1819
14.8	14	17	1.8	543	292	11.2	879	1811	24.2	692	1845
14.6	14	17	1.6	586	313	11.4	941	1778	24.4	625	1869
14.4	15	18	1.4	631	335	11.6	1002	1743	24.6	557	1890
14.2	15	18	1.2	678	358	11.8	1062	1706	24.8	488	1909
-14.0	-16	+19	- 1.0	- 727	+ 383	+12.0	+1121	+1667	+25.0	+ 419	-1925
13.8	17	19	0.8	777	410	12.2	1178	1626	25.2	349	1939
13.6	17	20	0.6	829	439	12.4	1234	1582	25.4	279	1950
13.4	18	20	0.4	882	470	12.6	1289	1537	25.6	208	1959
13.2	19	21	- 0.2	935	503	12.8	1341	1489	25.8	137	1965
-13.0	-19	+22	0.0	- 987	+ 538	+13.0	+1393	+1440	+26.0	+ 66	-1969
12.8	20	22	+ 0.2	1038	574	13.2	1442	1389	26.2	- 5	1970
12.6	21	23	0.4	1087	612	13.4	1490	1336	26.4	76	1968
12.4	22	24	0.6	1134	652	13.6	1535	1282	26.6	147	1964
12.2	23	25	0.8	1177	694	13.8	1579	1226	26.8	218	1958
-12.0	-24	+26	+ 1.0	-1216	+ 737	+14.0	+1621	+1168	+27.0	- 289	-1949
11.8	25	26	1.2	1251	781	14.2	1661	1109	27.2	359	1937
11.6	26	27	1.4	1282	827	14.4	1698	1049	27.4	428	1923
11.4	27	28	1.6	1307	873	14.6	1734	987	27.6	498	1906
11.2	29	29	1.8	1328	921	14.8	1767	924	27.8	566	1887
-11.0	-30	+30	+ 2.0	-1344	+ 969	+15.0	+1798	+ 860	+28.0	- 634	-1866
10.8	31	31	2.2	1355	1018	15.2	1827	795	28.2	701	1842
10.6	33	33	2.4	1361	1066	15.4	1853	728	28.4	767	1815
10.4	34	34	2.6	1362	1116	15.6	1877	661	28.6	832	1786
10.2	36	35	2.8	1358	1165	15.8	1899	593	28.8	895	1755
-10.0	-38	+36	+ 3.0	-1350	+1213	+16.0	+1918	+ 525	+29.0	- 958	-1722

$$\bar{\omega} = 0.18$$

$$4\pi W_e \times 10^4$$

$n = 4$			$n = 4$			$n = 6$			$n = 6$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+29.0	- 958	-1722	+41.0	- 900	+1758	-50	0	0	- 2.0	-224	+171
29.2	1020	1686	41.2	836	1789	48	0	+ 1	1.8	234	179
29.4	1080	1649	41.4	772	1818	46	0	1	1.6	245	188
29.6	1139	1609	41.6	706	1845	44	- 1	1	1.4	256	197
29.8	1196	1567	41.8	639	1869	42	1	1	1.2	267	206
+30.0	-1252	-1523	+42.0	- 571	+1891	-40	- 1	+ 1	- 1.0	-278	+216
30.2	1306	1477	42.2	503	1910	38	1	2	0.8	289	226
30.4	1358	1429	42.4	434	1927	36	1	2	0.6	300	237
30.6	1409	1379	42.6	365	1942	34	1	3	0.4	310	248
30.8	1458	1327	42.8	295	1953	32	1	3	- 0.2	321	259
+31.0	-1505	-1274	+43.0	- 224	+1963	-30	- 2	+ 3	0.0	-331	+271
31.2	1550	1219	43.2	153	1970	28	2	4	+ 0.2	340	283
31.4	1593	1162	43.4	83	1974	26	2	5	0.4	349	295
31.6	1634	1104	43.6	- 11	1976	24	3	5	0.6	358	308
31.8	1672	1045	43.8	+ 60	1975	22	4	7	0.8	366	321
+32.0	-1709	- 984	+44.0	+ 131	+1971	-20	- 5	+ 8	+ 1.0	-373	+334
32.2	1744	922	44.2	201	1965	18	7	10	1.2	379	348
32.4	1776	858	44.4	272	1957	16	9	13	1.4	384	362
32.6	1806	794	44.6	342	1946	14	14	17	1.6	389	376
32.8	1833	728	44.8	412	1932	12	20	23	1.8	392	390
+33.0	-1858	- 662	+45.0	+ 481	+1916	-10.0	- 31	+ 32	+ 2.0	-395	+404
33.2	1881	595	45.2	550	1897	9.8	32	33	2.2	396	418
33.4	1901	526	45.4	618	1876	9.6	34	34	2.4	397	432
33.6	1919	458	45.6	685	1853	9.4	35	35	2.6	396	446
33.8	1934	388	45.8	751	1827	9.2	37	37	2.8	394	461
+34.0	-1947	- 318	+46.0	+ 816	+1799	- 9.0	- 39	+ 38	+ 3.0	-391	+475
34.2	1958	248	46.2	880	1768	8.8	41	39	3.2	387	489
34.4	1965	177	46.4	943	1735	8.6	43	41	3.4	382	503
34.6	1970	107	46.6	1005	1700	8.4	45	43	3.6	376	516
34.8	1973	- 36	46.8	1066	1663	8.2	47	44	3.8	369	530
+35.0	-1973	+ 35	+47.0	+1125	+1623	- 8.0	- 49	+ 46	+ 4.0	-361	+543
35.2	1971	106	47.2	1183	1582	7.8	52	48	4.2	352	556
35.4	1966	177	47.4	1239	1538	7.6	54	50	4.4	342	569
35.6	1958	248	47.6	1293	1493	7.4	57	52	4.6	331	581
35.8	1948	318	47.8	1346	1445	7.2	60	54	4.8	319	592
+36.0	-1936	+ 388	+48.0	+1397	+1396	- 7.0	- 63	+ 56	+ 5.0	-307	+604
36.2	1920	458	48.2	1447	1345	6.8	66	59	5.2	293	614
36.4	1903	526	48.4	1494	1292	6.6	69	61	5.4	278	625
36.6	1883	594	48.6	1539	1237	6.4	73	64	5.6	263	634
36.8	1860	662	48.8	1583	1181	6.2	77	66	5.8	247	644
+37.0	-1835	+ 728	+49.0	+1624	+1123	- 6.0	- 81	+ 69	+ 6.0	-231	+652
37.2	1808	794	49.2	1664	1064	5.8	85	72	6.2	214	660
37.4	1778	858	49.4	1701	1003	5.6	90	75	6.4	196	668
37.6	1746	922	49.6	1736	942	5.4	94	79	6.6	178	674
37.8	1712	984	49.8	1769	879	5.2	99	82	6.8	159	680
+38.0	-1675	+1045	+50.0	+1799	+ 814	- 5.0	-105	+ 86	+ 7.0	-139	+686
38.2	1637	1105	4.8	110	89	4.8	110	89	7.2	120	690
38.4	1596	1163	4.6	116	93	4.6	116	93	7.4	99	694
38.6	1553	1220	4.4	122	98	4.4	122	98	7.6	79	697
38.8	1508	1275	4.2	129	102	4.2	129	102	7.8	58	700
+39.0	-1461	+1328	- 4.0	-136	+107	+ 8.0	-136	+107	+ 8.0	- 37	+702
39.2	1413	1380	3.8	143	112	8.2	143	112	8.2	- 16	703
39.4	1362	1430	3.6	151	117	8.4	151	117	8.4	+ 6	703
39.6	1310	1478	3.4	159	123	8.6	159	123	8.6	28	702
39.8	1256	1524	3.2	167	129	8.8	167	129	8.8	49	701
+40.0	-1200	+1568	- 3.0	-176	+135	+ 9.0	-176	+135	+ 9.0	+ 71	+699
40.2	1143	1611	2.8	185	141	9.2	185	141	9.2	93	696
40.4	1084	1651	2.6	194	148	9.4	194	148	9.4	115	692
40.6	1024	1689	2.4	204	155	9.6	204	155	9.6	137	687
40.8	963	1724	2.2	214	163	9.8	214	163	9.8	159	682
+41.0	- 900	+1758	- 2.0	-224	+171	+10.0	+181	+676			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$$n = 6$$

<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>	<i>t</i>	<i>R</i>	<i>I</i>
+10.0	+181	+676	+20.0	+598	-285	+30.0	-418	-508	+40.0	-401	+526
10.2	203	669	20.2	587	306	30.2	436	492	40.2	382	540
10.4	225	661	20.4	575	327	30.4	454	476	40.4	363	554
10.6	246	653	20.6	562	347	30.6	471	460	40.6	343	566
10.8	267	644	20.8	549	367	30.8	487	442	40.8	322	578
+11.0	+288	+634	+21.0	+535	-387	+31.0	-503	-424	+41.0	-301	+590
11.2	309	623	21.2	520	406	31.2	518	406	41.2	280	600
11.4	329	611	21.4	505	424	31.4	533	387	41.4	258	610
11.6	349	599	21.6	489	442	31.6	546	368	41.6	236	619
11.8	369	586	21.8	473	460	31.8	559	348	41.8	214	627
+12.0	+388	+573	+22.0	+455	-476	+32.0	-572	-327	+42.0	-191	+634
12.2	406	558	22.2	438	492	32.2	583	307	42.2	168	640
12.4	425	543	22.4	419	508	32.4	594	285	42.4	145	646
12.6	442	528	22.6	400	523	32.6	604	264	42.6	122	651
12.8	460	511	22.8	381	537	32.8	613	242	42.8	98	655
+13.0	+476	+495	+23.0	+361	-550	+33.0	-622	-220	+43.0	-75	+658
13.2	493	477	23.2	341	563	33.2	629	197	43.2	51	660
13.4	508	459	23.4	320	575	33.4	636	174	43.4	27	662
13.6	523	441	23.6	299	586	33.6	642	151	43.6	-3	662
13.8	537	421	23.8	277	596	33.8	647	128	43.8	+21	662
+14.0	+551	+402	+24.0	+255	-606	+34.0	-652	-105	+44.0	+44	+661
14.2	564	382	24.2	233	614	34.2	655	81	44.2	68	659
14.4	576	361	24.4	211	622	34.4	657	58	44.4	92	656
14.6	588	340	24.6	188	630	34.6	659	34	44.6	115	652
14.8	599	319	24.8	165	636	34.8	660	-10	44.8	139	648
+15.0	+609	+297	+25.0	+142	-641	+35.0	-660	+13	+45.0	+162	+642
15.2	618	275	25.2	118	646	35.2	659	37	45.2	185	636
15.4	627	253	25.4	95	650	35.4	657	61	45.4	207	629
15.6	635	230	25.6	71	653	35.6	655	85	45.6	230	621
15.8	642	207	25.8	47	655	35.8	651	108	45.8	252	612
+16.0	+648	+184	+26.0	+24	-656	+36.0	-647	+131	+46.0	+274	+603
16.2	653	160	26.2	0	657	36.2	642	155	46.2	295	593
16.4	658	137	26.4	-24	656	36.4	636	178	46.4	316	582
16.6	662	113	26.6	48	655	36.6	630	200	46.6	337	570
16.8	665	89	26.8	72	653	36.8	622	223	46.8	357	557
+17.0	+667	+65	+27.0	-95	-650	+37.0	-614	+245	+47.0	+377	+544
17.2	668	41	27.2	119	646	37.2	605	267	47.2	396	530
17.4	669	+17	27.4	142	641	37.4	595	289	47.4	415	516
17.6	668	-7	27.6	165	636	37.6	584	310	47.6	433	500
17.8	667	31	27.8	188	629	37.8	572	331	47.8	451	484
+18.0	+665	-55	+28.0	-211	-622	+38.0	-560	+351	+48.0	+468	+468
18.2	662	79	28.2	233	614	38.2	547	371	48.2	485	451
18.4	658	103	28.4	256	605	38.4	534	391	48.4	501	433
18.6	653	126	28.6	277	596	38.6	519	410	48.6	516	415
18.8	648	150	28.8	299	585	38.8	504	428	48.8	530	396
+19.0	+641	-173	+29.0	-320	-574	+39.0	-489	+446	+49.0	+544	+376
19.2	634	196	29.2	341	562	39.2	472	463	49.2	557	357
19.4	626	219	29.4	361	550	39.4	455	480	49.4	570	338
19.6	618	241	29.6	380	536	39.6	438	496	49.6	581	316
19.8	608	263	29.8	400	522	39.8	420	512	49.8	592	294
+20.0	+598	-285	+30.0	-418	-508	+40.0	-401	+526	+50.0	+603	+273

$4\pi W_e \times 10^4$

$n = 8$			$n = 8$			$n = 8$			$n = 10$			$n = 10$		
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-50	0	+ 1	+ 5.0	-110	+284	+30.0	-177	-214	-50	0	+ 1	+20	+125	- 53
48	- 1	1	5.5	96	293	30.5	195	197	48	0	1	21	112	74
46	1	1	6.0	79	301	31.0	213	179	46	0	1	22	95	93
44	1	1	6.5	62	307	31.5	228	159	44	0	1	23	76	108
42	1	1	7.0	43	312	32.0	242	138	42	- 1	1	24	54	120
-40	- 1	+ 1	+ 7.5	- 22	+315	+32.5	-254	-115	-40	- 1	+ 1	+25	+ 31	-127
38	1	1	8.0	- 1	316	33.0	263	92	38	1	1	26	+ 6	131
36	1	2	8.5	+ 21	315	33.5	271	68	36	1	2	27	- 18	130
34	1	2	9.0	43	312	34.0	276	43	34	1	2	28	42	124
32	1	2	9.5	65	308	34.5	279	- 18	32	2	3	29	64	115
-30	- 1	+ 3	+10.0	+ 88	+301	+35.0	-280	+ 7	-30	- 2	+ 3	+30	- 84	-102
28	2	3	10.5	110	292	35.5	278	32	28	2	3	31	102	85
26	2	4	11.0	131	281	36.0	274	57	26	2	4	32	116	65
24	3	5	11.5	152	268	36.5	268	81	24	3	5	33	126	43
22	4	6	12.0	172	254	37.0	260	105	22	3	6	34	132	- 20
-20	- 5	+ 8	+12.5	+191	+237	+37.5	-250	+128	-20	- 4	+ 7	+35	-134	+ 4
18	6	9	13.0	209	219	38.0	238	150	18	5	9	36	131	28
16	8	12	13.5	225	200	38.5	223	171	16	7	11	37	125	51
14	12	16	14.0	240	179	39.0	207	190	14	9	14	38	114	73
12	16	21	14.5	252	157	39.5	189	208	12	13	18	39	100	92
-10.0	- 24	+ 28	+15.0	+263	+133	+40.0	-170	+224	-10	-18	+ 23	+40	- 82	+108
9.5	26	30	15.5	272	109	40.5	149	238	9	21	27	41	61	121
9.0	29	32	16.0	279	84	41.0	127	251	8	25	31	42	39	130
8.5	32	35	16.5	284	59	41.5	104	261	7	29	36	43	- 15	135
8.0	35	38	17.0	287	33	42.0	81	270	6	34	41	44	+ 9	136
- 7.5	- 39	+ 42	+17.5	+287	+ 8	+42.5	- 56	+276	- 5	- 40	+ 48	+45	+ 33	+132
7.0	43	45	18.0	285	- 18	43.0	31	280	4	46	56	46	56	124
6.5	48	49	18.5	281	44	43.5	- 6	281	3	52	64	47	77	112
6.0	53	54	19.0	275	69	44.0	+ 19	281	2	58	74	48	95	96
5.5	58	59	19.5	267	93	44.5	44	278	- 1	64	85	49	111	77
- 5.0	- 64	+ 64	+20.0	+256	-117	+45.0	+ 69	+273	0	- 68	+ 97	+50	+123	+ 56
4.5	71	70	20.5	243	139	45.5	93	266	+ 1	69	110			
4.0	78	77	21.0	229	160	46.0	116	256		68	122			
3.5	85	84	21.5	213	180	46.5	139	245	3	64	134			
3.0	93	92	22.0	195	199	47.0	160	231	4	56	145			
- 2.5	-102	+101	+22.5	+176	-215	+47.5	+180	+216	+ 5	- 44	+154			
2.0	110	111	23.0	155	230	48.0	199	199	6	30	160			
1.5	118	121	23.5	133	243	48.5	216	180	7	- 12	164			
1.0	126	132	24.0	110	254	49.0	231	160	8	+ 7	165			
- 0.5	134	144	24.5	86	263	49.5	244	139	9	28	161			
0.0	-140	+156	+25.0	+ 62	-270	+50.0	+256	+117	+10	+ 48	+155			
+ 0.5	146	169	25.5	37	274				11	69	144			
1.0	150	182	26.0	+ 11	276				12	88	130			
1.5	152	196	26.5	- 14	276				13	105	112			
2.0	153	210	27.0	39	274				14	119	92			
+ 2.5	-151	+223	+27.5	- 64	-269				+15	+130	+ 70			
3.0	147	236	28.0	88	262				16	137	46			
3.5	141	249	28.5	112	253				17	140	+ 21			
4.0	133	262	29.0	135	242				18	139	- 5			
4.5	123	273	29.5	156	229				19	134	29			
+ 5.0	-110	+284	+30.0	-177	-214				+20	+125	- 53			

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.18$$

$n = 12$			$n = 12$			$n = 14$			$n = 16$	
t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-50	0	+1	+25	+16	-64	-50	0	+1	0	+1
48	0	1	26	+4	66	48	0	1	0	1
46	0	1	27	-9	65	46	0	1	0	1
44	0	1	28	21	63	44	0	1	0	1
42	0	1	29	32	58	42	0	1	0	1
-40	0	+2	+30	-43	-51	-40	-1	+1	0	+1
38	-1	2	31	52	42	38	1	2	0	1
36	1	2	32	59	32	36	1	2	0	1
34	1	2	33	64	21	34	1	2	-1	2
32	1	2	34	68	-9	32	1	2	1	2
-30	-1	+3	+35	-69	+3	-30	-1	+3	-1	+2
28	1	3	36	67	15	28	1	3	1	3
26	2	3	37	64	27	26	1	4	2	3
24	2	4	38	58	38	24	2	4	2	4
22	3	5	39	51	48	22	2	5	3	5
-20	-4	+6	+40	-41	+57	-20	-3	+6	-3	+5
18	5	8	41	31	63	18	4	7	3	6
16	6	10	42	20	68	16	5	9	4	8
14	8	12	43	-8	70	14	6	10	5	9
12	10	15	44	+5	70	12	8	13	6	11
-10	-13	+19	+45	+17	+68	-10	-10	+16	-7	+13
8	17	25	46	29	64	8	12	20	8	16
6	22	32	47	40	58	6	15	24	9	19
4	28	41	48	49	50	4	17	30	10	23
-2	32	52	49	57	40	-2	19	37	11	27
0	-35	+64	+50	+63	+29	0	-19	+43	-10	+31
+1	34	70				+2	16	50	9	34
2	33	76				4	11	55	5	37
3	29	81				6	-3	58	-1	38
4	24	86				8	+7	57	+5	37
+5	-18	+90				+10	+18	+53	+12	+34
6	11	93				12	29	44	17	28
7	-2	94				14	37	32	22	21
8	+8	93				16	41	18	24	13
9	18	91				18	41	+3	24	+4
+10	+29	+87				+20	+37	-11	+22	-4
11	39	81				22	28	23	17	11
12	48	73				24	16	31	10	15
13	57	63				26	+3	34	+2	18
14	64	52				28	-11	33	-5	17
+15	+69	+40				+30	-23	-27	-12	-14
16	73	28				32	32	17	17	9
17	74	14				34	37	-4	20	-2
18	73	+1				36	36	+9	20	+5
19	71	-12				38	31	21	18	12
+20	+66	-25				+40	-23	+31	-13	+18
21	59	36				42	-11	37	-6	21
22	50	46				44	+3	39	+2	22
23	40	54				46	16	35	9	20
24	29	60				48	27	27	15	16
+25	+16	-64				+50	+35	+16	+19	+10

$n = 18$			$n = 20$		$n = 22$			$n = 24$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-50	0	+1	0	+1	-50	0	+1	0	+1
48	0	1	0	1	45	0	1	0	1
46	0	1	0	1	40	0	1	0	1
44	0	1	0	1	35	0	1	-1	1
42	0	1	0	1	30	-1	2	1	2
-40	0	+1	-1	+1	-25	-1	+3	-1	+2
38	-1	1	1	1	20	2	4	1	3
36	1	2	1	1	15	2	5	2	5
34	1	2	1	2	10	3	7	2	6
32	1	2	1	2	-5	3	10	2	8
-30	-1	+2	-1	+2	0	-2	+12	-1	+9
28	1	3	1	2	+5	0	13	0	10
26	1	3	1	3	10	+4	12	+2	9
24	1	3	1	3	15	6	7	4	6
22	2	4	1	4	20	5	+2	3	+2
-20	-2	+5	-2	+4	+25	+2	-2	+1	0
18	3	5	2	5	30	-2	-1	-1	0
16	3	6	2	6	35	4	+1	2	+1
14	4	7	3	7	40	-2	5	-1	3
12	4	9	3	8	45	+1	5	+1	3
-10	-5	+11	-4	+9	+50	+4	+2	+3	+2
8	6	13	4	10					
6	7	15	4	12					
4	7	17	4	13					
-2	7	20	4	15					
0	-6	+22	-4	+16					
+2	5	24	3	17					
4	-2	25	-1	18					
6	+1	26	+1	18					
8	4	25	3	17					
+10	+8	+23	+5	+16					
12	11	19	7	14					
14	14	15	9	11					
16	15	10	9	8					
18	15	+4	9	4					
+20	+13	-1	+8	+1					
22	10	5	6	-2					
24	6	8	4	4					
26	+1	9	+1	5					
28	-3	9	-1	5					
+30	-7	-7	-4	-4					
32	10	-4	5	-2					
34	11	0	6	0					
36	11	+4	6	+3					
38	10	8	6	5					
+40	-7	+11	-4	+7					
42	-3	13	-2	8					
44	+1	13	+1	8					
46	6	12	3	7					
48	9	9	5	6					
+50	+11	+6	+7	+4					

$n = 26$			$n = 28$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-50	0	+1	0	+1
45	0	1	0	1
40	-1	1	0	1
35	1	1	0	1
30	1	2	0	1
-25	-1	+2	-1	+2
20	1	3	1	3
15	1	4	1	3
10	1	5	1	4
-5	2	7	1	5
0	-1	+7	-1	+6
+5	+1	8	0	6
10	2	7	+1	5
15	3	5	2	4
20	2	+2	2	2
+25	+1	0	+1	+1
30	-1	0	0	1
35	1	+1	-1	1
40	-1	2	0	2
45	+1	3	0	2
+50	+2	+1	+1	+1

$n = 30$		$n = 32$		$n = 34$		$n = 36$		$n = 38$		$n = 40$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	
-50	0	+1	0	0	0	+1	0	+1	0	0	
40	0	1	0	+1	0	1	0	+1	0	+1	
30	-1	1	0	1	0	1	0	1	0	1	
20	1	2	-1	2	-1	2	0	1	0	1	
-10	-1	3	-1	3	-1	3	0	2	0	2	
0	0	+5	0	+4	0	+3	0	+2	0	+2	
+10	+1	4	+1	3	+1	3	0	2	0	2	
20	+1	2	+1	2	+1	2	0	1	0	1	
30	0	1	0	1	0	1	0	1	0	1	
40	0	1	0	1	0	1	0	1	0	1	
+50	+1	+1	0	+1	0	+1	0	+1	0	+1	

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 0$$

t	R	I	t	R	I	t	R	I	t	R	I
-40	0	+1	-7.5	-81	+72	-3.70	-494	+264	-2.70	-1023	+436
39	0	1	7.4	84	74	3.68	500	266	2.68	1040	440
38	0	1	7.3	87	76	3.66	507	269	2.66	1057	445
37	0	1	7.2	90	78	3.64	514	271	2.64	1075	451
36	-1	2	7.1	94	80	3.62	520	274	2.62	1094	456
-35	-1	+2	-7.0	-98	+83	-3.60	-527	+276	-2.60	-1112	+461
34	1	2	6.9	102	85	3.58	534	279	2.58	1132	466
33	1	2	6.8	106	88	3.56	541	281	2.56	1151	472
32	1	2	6.7	110	90	3.54	549	284	2.54	1172	478
31	1	2	6.6	115	93	3.52	556	287	2.52	1192	483
-30	-1	+3	-6.5	-119	+96	-3.50	-563	+289	-2.50	-1213	+489
29	1	3	6.4	124	99	3.48	571	292	2.48	1235	495
28	1	3	6.3	130	102	3.46	579	295	2.46	1257	501
27	1	4	6.2	135	105	3.44	587	297	2.44	1280	507
26	2	4	6.1	141	108	3.42	595	300	2.42	1303	513
-25	-2	+4	-6.0	-148	+112	-3.40	-603	+303	-2.40	-1327	+520
24	2	5	5.9	154	115	3.38	611	306	2.38	1352	526
23	3	5	5.8	161	119	3.36	620	309	2.36	1377	532
22	3	6	5.7	169	123	3.34	629	312	2.34	1403	539
21	3	7	5.6	176	127	3.32	638	315	2.32	1429	546
-20	-4	+8	-5.5	-185	+131	-3.30	-647	+318	-2.30	-1456	+553
19	5	9	5.4	194	136	3.28	656	321	2.28	1484	560
18	6	10	5.3	203	141	3.26	665	324	2.26	1513	567
17	7	11	5.2	213	146	3.24	675	328	2.24	1542	574
16	8	13	5.1	224	151	3.22	685	331	2.22	1572	582
-15	-10	+16	-5.0	-236	+157	-3.20	-695	+334	-2.20	-1603	+590
14	13	18	4.9	248	162	3.18	705	338	2.18	1635	597
13	16	22	4.8	261	168	3.16	715	341	2.16	1668	605
12	21	26	4.7	275	175	3.14	725	344	2.14	1701	613
11	27	32	4.6	291	182	3.12	736	348	2.12	1736	621
-10.0	-36	+39	-4.5	-307	+189	-3.10	-747	+352	-2.10	-1771	+630
9.8	38	41	4.4	324	196	3.08	758	355	2.08	1808	638
9.6	40	43	4.3	343	204	3.06	770	359	2.06	1845	647
9.4	43	45	4.2	364	213	3.04	782	363	2.04	1884	656
9.2	46	47	4.1	386	222	3.02	793	366	2.02	1924	665
-9.0	-49	+49	-4.00	-410	+232	-3.00	-806	+370	-2.00	-1965	+675
8.9	50	51	3.98	415	233	2.98	818	374	1.98	2007	684
8.8	52	52	3.96	420	235	2.96	831	378	1.96	2050	694
8.7	53	53	3.94	425	237	2.94	844	382	1.94	2095	704
8.6	55	54	3.92	430	240	2.92	857	386	1.92	2141	714
-8.5	-57	+56	-3.90	-436	+242	-2.90	-870	+390	-1.90	-2188	+724
8.4	59	57	3.88	441	244	2.88	884	394	1.88	2237	735
8.3	61	59	3.86	446	246	2.86	898	399	1.86	2287	746
8.2	63	60	3.84	452	248	2.84	913	403	1.84	2339	757
8.1	65	62	3.82	458	250	2.82	927	408	1.82	2393	768
-8.0	-68	+63	-3.80	-464	+252	-2.80	-942	+412	-1.80	-2448	+780
7.9	70	65	3.78	469	255	2.78	958	417	1.78	2505	792
7.8	73	66	3.76	475	257	2.76	973	421	1.76	2564	804
7.7	75	68	3.74	481	259	2.74	989	426	1.74	2625	817
7.6	78	70	3.72	488	262	2.72	1006	431	1.72	2688	829
-7.5	-81	+72	-3.70	-494	+264	-2.70	-1023	+436	-1.70	-2753	+842

$$\bar{\omega} = 0.24$$

$$n = 0$$

Auxiliary Table

$$4\pi W_e \times 10^4$$

t	A	δ_m^2	B	δ_m^2	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	
-1.0	+0.76380	+1086	-0.16197	-444	+1.00	+49905	-8724	+1.60	+43459	-15389	
0.9	0.81902	1180	0.11838	478	1.01	49744	8843	1.61	43381	15493	
0.8	0.88607	1294	0.07957	518	1.02	49587	8903	1.62	43303	15597	
0.7	0.96608	1417	0.04594	563	1.03	49432	9081	1.63	43226	15701	
0.6	1.06029	1559	-0.01794	611	1.04	49280	9200	1.64	43149	15805	
-0.5	+1.17010	+1704	+0.00395	-668	+1.05	+49132	-9318	+1.65	+43073	-15908	
0.4	1.29695	1849	0.01916	728	1.06	48985	9436	1.66	42996	16012	
0.3	1.44226	1980	0.02709	798	1.07	48842	9553	1.67	42921	16115	
0.2	1.60731	2079	0.02704	871	1.08	48701	9670	1.68	42845	16218	
-0.1	1.79306	2129	+0.01828	952	1.09	48562	9787	1.69	42770	16320	
0.0	+2.00000	+2126	0.00000	-1044	+1.10	+48426	-9903	+1.70	+42696	-16423	
+0.1	2.22808	2054	-0.02872	1136	1.11	48293	10019	1.71	42621	16525	
0.2	2.47660	1927	0.06880	1212	1.12	48161	10135	1.72	42547	16628	
0.3	2.74431	1755	0.12100	1280	1.13	48031	10250	1.73	42474	16730	
0.4	3.02951	1548	0.18600	1341	1.14	47904	10366	1.74	42400	16831	
+0.5	+3.33017	+1331	-0.26441	-1391	+1.15	+47779	-10480	+1.75	+42327	-16933	
0.6	3.64413	1110	0.35673	1433	1.16	47655	10595	1.76	42254	17035	
0.7	3.96920	895	0.46338	1468	1.17	47534	10709	1.77	42181	17136	
0.8	4.30325	697	0.58471	1494	1.18	47414	10823	1.78	42109	17237	
0.9	4.64430	513	0.72098	1513	1.19	47296	10937	1.79	42037	17338	
+1.0	+4.99051	+345	-0.87238	-1525	+1.20	+47180	-11050	+1.80	+41965	-17439	
	$\mathcal{R}4\pi W_e = (A/t) - 2\bar{\omega}^2 t \ln t $				1.21	47065	11163	1.81	41893	17539	
	$\mathcal{I}4\pi W_e = (B/t) - 2\bar{\omega} \ln t $				1.22	46952	11276	1.82	41822	17640	
					1.23	46841	11389	1.83	41750	17740	
					1.24	46731	11501	1.84	41679	17840	
					+1.25	+46622	-11613	+1.85	+41608	-17940	
					1.26	46515	11725	1.86	41537	18040	
					1.27	46409	11836	1.87	41467	18140	
					1.28	46305	11947	1.88	41396	18239	
					1.29	46202	12058	1.89	41326	18338	
-1.70	-2753	+842	-1.30	-4686	+1188	+1.30	+46100	-12169	+1.90	+41256	-18438
1.68	2820	856	1.29	4756	1199	1.31	45999	12280	1.91	41186	18536
1.66	2890	869	1.28	4828	1211	1.32	45899	12390	1.92	41116	18635
1.64	2962	883	1.27	4901	1223	1.33	45801	12500	1.93	41047	18734
1.62	3036	898	1.26	4975	1234	1.34	45703	12610	1.94	40977	18832
-1.60	-3113	+913	-1.25	-5052	+1246	+1.35	+45607	-12719	+1.95	+40908	-18931
1.58	3193	928	1.24	5129	1259	1.36	45512	12829	1.96	40838	19029
1.56	3276	943	1.23	5209	1271	1.37	45417	12938	1.97	40769	19127
1.54	3362	959	1.22	5290	1284	1.38	45324	13047	1.98	40700	19224
1.52	3450	975	1.21	5373	1296	1.39	45231	13155	1.99	40631	19322
-1.50	-3543	+992	-1.20	-5458	+1310	+1.40	+45140	-13264	+2.00	+40562	-19419
1.49	3590	1001	1.19	5544	1323	1.41	45049	13372	2.05	40218	19904
1.48	3638	1010	1.18	5633	1336	1.42	44959	13480	2.10	39875	20385
1.47	3687	1018	1.17	5724	1350	1.43	44870	13588	2.15	39533	20861
1.46	3737	1027	1.16	5817	1364	1.44	44782	13695	2.20	39192	21333
-1.45	-3789	+1036	-1.15	-5911	+1378	+1.45	+44695	-13803	+2.25	+38850	-21802
1.44	3840	1045	1.14	6008	1392	1.46	44608	13910	2.30	38508	22266
1.43	3894	1055	1.13	6108	1406	1.47	44522	14017	2.35	38165	22726
1.42	3948	1064	1.12	6209	1421	1.48	44436	14124	2.40	37821	23182
1.41	4003	1074	1.11	6313	1436	1.49	44352	14230	2.45	37475	23633
-1.40	-4059	+1083	-1.10	-6420	+1452	+1.50	+44268	-14337	+2.50	+37128	-24081
1.39	4116	1093	1.09	6529	1467	1.51	44184	14443	2.55	36778	24524
1.38	4174	1103	1.08	6640	1483	1.52	44101	14549	2.60	36426	24964
1.37	4234	1113	1.07	6755	1499	1.53	44019	14654	2.65	36073	25399
1.36	4295	1123	1.06	6872	1515	1.54	43938	14760	2.70	35716	25829
-1.35	-4357	+1134	-1.05	-6992	+1532	+1.55	+43857	-14865	+2.75	+35357	-26256
1.34	4420	1144	1.04	7115	1549	1.56	43776	14970	2.80	34996	26678
1.33	4485	1155	1.03	7241	1566	1.57	43696	15075	2.85	34631	27096
1.32	4550	1166	1.02	7370	1584	1.58	43616	15180	2.90	34264	27509
1.31	4618	1177	1.01	7502	1602	1.59	43537	15285	2.95	33893	27918
-1.30	-4686	+1188	-1.00	-7638	+1620	+1.60	+43459	-15389	+3.00	+33520	-28323

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+3.00	+33520	-28323	+6.00	+5823	-43031	+9.00	-24132	-36128	+12.00	-42013	-11228
3.05	33143	28722	6.05	5302	43098	9.05	24565	35836	12.05	42145	10723
3.10	32764	29118	6.10	4780	43158	9.10	24995	35538	12.10	42272	10216
3.15	32381	29509	6.15	4257	43213	9.15	25421	35236	12.15	42392	9708
3.20	31994	29895	6.20	3734	43261	9.20	25843	34928	12.20	42506	9199
+3.25	+31605	-30277	+6.25	+3211	-43302	+9.25	-26262	-34615	+12.25	-42614	-8688
3.30	31212	30654	6.30	2687	43338	9.30	26677	34298	12.30	42715	8176
3.35	30816	31026	6.35	2163	43397	9.35	27087	33975	12.35	42811	7663
3.40	30416	31393	6.40	1638	43389	9.40	27494	33648	12.40	42900	7149
3.45	30014	31756	6.45	1114	43406	9.45	27897	33315	12.45	42983	6633
+3.50	+29608	-32113	+6.50	+589	-43416	+9.50	-28296	-32978	+12.50	-43061	-6117
3.55	29198	32466	6.55	65	43420	9.55	28691	32636	12.55	43131	5600
3.60	28785	32814	6.60	460	43418	9.60	29082	32290	12.60	43196	5082
3.65	28369	33157	6.65	984	43409	9.65	29468	31938	12.65	43254	4563
3.70	27950	33495	6.70	1509	43394	9.70	29851	31583	12.70	43306	4044
+3.75	+27527	-33828	+6.75	-2032	-43373	+9.75	-30228	-31222	+12.75	-43352	-3524
3.80	27101	34156	6.80	2556	43345	9.80	30602	30857	12.80	43392	3003
3.85	26672	34478	6.85	3079	43311	9.85	30971	30488	12.85	43425	2483
3.90	26240	34796	6.90	3602	43271	9.90	31336	30114	12.90	43452	1961
3.95	25805	35108	6.95	4123	43225	9.95	31696	29736	12.95	43473	1440
+4.00	+25366	-35415	+7.00	-4645	-43172	+10.00	-32051	-29353	+13.00	-43488	-918
4.05	24924	35717	7.05	5165	43114	10.05	32402	28966	13.05	43496	-396
4.10	24480	36013	7.10	5685	43048	10.10	32749	28575	13.10	43498	126
4.15	24032	36304	7.15	6204	42977	10.15	33090	28180	13.15	43494	648
4.20	23581	36590	7.20	6722	42900	10.20	33427	27781	13.20	43484	1170
+4.25	+23127	-36870	+7.25	-7239	-42816	+10.25	-33759	-27378	+13.25	-43467	+1692
4.30	22671	37145	7.30	7755	42726	10.30	34086	26971	13.30	43444	2213
4.35	22211	37414	7.35	8269	42630	10.35	34408	26560	13.35	43415	2734
4.40	21749	37678	7.40	8783	42527	10.40	34725	26145	13.40	43379	3255
4.45	21284	37936	7.45	9295	42419	10.45	35037	25727	13.45	43337	3775
+4.50	+20817	-38189	+7.50	-9806	-42304	+10.50	-35344	-25304	+13.50	-43289	+4295
4.55	20346	38436	7.55	10315	42184	10.55	35646	24878	13.55	43235	4814
4.60	19873	38677	7.60	10823	42057	10.60	35943	24449	13.60	43175	5333
4.65	19398	38913	7.65	11329	41924	10.65	36234	24016	13.65	43108	5850
4.70	18920	39143	7.70	11833	41785	10.70	36521	23579	13.70	43035	6367
+4.75	+18440	-39367	+7.75	-12336	-41640	+10.75	-36802	-23139	+13.75	-42956	+6883
4.80	17957	39585	7.80	12837	41489	10.80	37078	22696	13.80	42871	7398
4.85	17472	39798	7.85	13336	41332	10.85	37348	22249	13.85	42779	7912
4.90	16985	40005	7.90	13833	41169	10.90	37613	21800	13.90	42681	8425
4.95	16495	40206	7.95	14328	41000	10.95	37873	21347	13.95	42578	8937
+5.00	+16004	-40401	+8.00	-14821	-40825	+11.00	-38127	-20891	+14.00	-42468	+9447
5.05	15510	40590	8.05	15311	40644	11.05	38376	20432	14.05	42352	9956
5.10	15014	40773	8.10	15800	40457	11.10	38619	19970	14.10	42229	10463
5.15	14517	40950	8.15	16286	40265	11.15	38857	19505	14.15	42101	10969
5.20	14017	41121	8.20	16770	40067	11.20	39089	19037	14.20	41967	11474
+5.25	+13516	-41286	+8.25	-17251	-39862	+11.25	-39315	-18567	+14.25	-41827	+11976
5.30	13013	41446	8.30	17730	39653	11.30	39536	18094	14.30	41680	12477
5.35	12508	41599	8.35	18206	39437	11.35	39751	17618	14.35	41528	12977
5.40	12001	41746	8.40	18680	39216	11.40	39960	17140	14.40	41369	13474
5.45	11494	41887	8.45	19151	38989	11.45	40163	16659	14.45	41205	13969
+5.50	+10984	-42022	+8.50	-19619	-38756	+11.50	-40361	-16176	+14.50	-41035	+14463
5.55	10473	42150	8.55	20084	38518	11.55	40553	15690	14.55	40859	14954
5.60	9961	42273	8.60	20547	38274	11.60	40739	15203	14.60	40677	15443
5.65	9448	42389	8.65	21006	38025	11.65	40919	14713	14.65	40489	15930
5.70	8933	42500	8.70	21462	37770	11.70	41093	14221	14.70	40295	16415
+5.75	+8417	-42604	+8.75	-21915	-37510	+11.75	-41261	-13726	+14.75	-40095	+16897
5.80	7900	42702	8.80	22365	37244	11.80	41424	13230	14.80	39890	17377
5.85	7382	42793	8.85	22812	36973	11.85	41580	12732	14.85	39679	17855
5.90	6863	42879	8.90	23256	36696	11.90	41730	12232	14.90	39462	18330
5.95	6343	42958	8.95	23696	36415	11.95	41875	11731	14.95	39240	18802
+6.00	+5823	-43031	+9.00	-24132	-36128	+12.00	-42013	-11228	+15.00	-39012	+19271

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 0$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+15.00	-39012	+19271	+18.00	-16634	+40217	+21.00	+14006	+41207	+24.00	+37696	+21746
15.05	38778	19738	18.05	16150	40414	21.05	14499	41036	24.05	37954	21292
15.10	38538	20202	18.10	15665	40605	21.10	14990	40859	24.10	38206	20835
15.15	38293	20663	18.15	15176	40790	21.15	15479	40676	24.15	38454	20375
15.20	38043	21121	18.20	14686	40969	21.20	15966	40487	24.20	38695	19913
+15.25	-37787	+21576	+18.25	-14193	+41142	+21.25	+16451	+40293	+24.25	+38931	+19447
15.30	37526	22028	18.30	13699	41309	21.30	16933	40092	24.30	39162	18978
15.35	37259	22477	18.35	13202	41471	21.35	17413	39886	24.35	39387	18507
15.40	36987	22922	18.40	12704	41626	21.40	17890	39674	24.40	39606	18033
15.45	36709	23364	18.45	12204	41776	21.45	18365	39457	24.45	39819	17556
+15.50	-36427	+23803	+18.50	-11702	+41919	+21.50	+18837	+39234	+24.50	+40027	+17077
15.55	36139	24239	18.55	11198	42057	21.55	19306	39005	24.55	40229	16596
15.60	35846	24670	18.60	10693	42188	21.60	19773	38770	24.60	40425	16112
15.65	35547	25099	18.65	10186	42313	21.65	20236	38530	24.65	40616	15626
15.70	35244	25524	18.70	9677	42432	21.70	20697	38285	24.70	40800	15137
+15.75	-34935	+25945	+18.75	-9168	+42545	+21.75	+21155	+38034	+24.75	+40979	+14646
15.80	34622	26362	18.80	8657	42652	21.80	21610	37777	24.80	41151	14154
15.85	34303	26776	18.85	8144	42753	21.85	22061	37515	24.85	41318	13659
15.90	33979	27185	18.90	7631	42848	21.90	22510	37248	24.90	41479	13162
15.95	33651	27591	18.95	7116	42936	21.95	22955	36975	24.95	41634	12663
+16.00	-33318	+27993	+19.00	-6601	+43019	+22.00	+23397	+36697	+25.00	+41783	+12163
16.05	32980	28391	19.05	6084	43095	22.05	23836	36413	25.05	41926	11661
16.10	32637	28784	19.10	5567	43165	22.10	24271	36125	25.10	42063	11157
16.15	32289	29174	19.15	5049	43228	22.15	24702	35831	25.15	42193	10651
16.20	31937	29559	19.20	4530	43286	22.20	25130	35532	25.20	42318	10144
+16.25	-31581	+29940	+19.25	-4010	+43337	+22.25	+25555	+35228	+25.25	+42437	+9635
16.30	31219	30317	19.30	3490	43382	22.30	25976	34918	25.30	42549	9126
16.35	30853	30690	19.35	2969	43421	22.35	26393	34604	25.35	42656	8614
16.40	30483	31058	19.40	2448	43453	22.40	26806	34285	25.40	42756	8102
16.45	30108	31421	19.45	1927	43480	22.45	27215	33961	25.45	42850	7588
+16.50	-29730	+31780	+19.50	-1405	+43500	+22.50	+27621	+33632	+25.50	+42938	+7073
16.55	29346	32135	19.55	883	43513	22.55	28022	33298	25.55	43020	6558
16.60	28959	32485	19.60	361	43521	22.60	28420	32959	25.60	43095	6041
16.65	28567	32830	19.65	161	43522	22.65	28813	32616	25.65	43165	5523
16.70	28171	33170	19.70	683	43517	22.70	29202	32268	25.70	43228	5005
+16.75	-27771	+33506	+19.75	+1206	+43506	+22.75	+29587	+31915	+25.75	+43285	+4486
16.80	27367	33837	19.80	1727	43488	22.80	29968	31558	25.80	43335	3966
16.85	26960	34163	19.85	2249	43464	22.85	30345	31196	25.85	43380	3446
16.90	26548	34484	19.90	2770	43434	22.90	30717	30830	25.90	43418	2925
16.95	26132	34800	19.95	3291	43398	22.95	31084	30459	25.95	43450	2404
+17.00	-25713	+35111	+20.00	+3812	+43355	+23.00	+31448	+30084	+26.00	+43475	+1883
17.05	25290	35417	20.05	4331	43306	23.05	31806	29704	26.05	43495	1361
17.10	24864	35718	20.10	4851	43251	23.10	32160	29320	26.10	43508	839
17.15	24433	36014	20.15	5369	43190	23.15	32510	28932	26.15	43515	+317
17.20	24000	36304	20.20	5887	43122	23.20	32854	28540	26.20	43515	-206
+17.25	-23563	+36590	+20.25	+6404	+43048	+23.25	+33194	+28144	+26.25	+43510	-728
17.30	23122	36870	20.30	6920	42968	23.30	33530	27743	26.30	43498	1250
17.35	22678	37144	20.35	7435	42882	23.35	33860	27339	26.35	43480	1772
17.40	22231	37414	20.40	7949	42790	23.40	34186	26931	26.40	43455	2293
17.45	21781	37678	20.45	8461	42692	23.45	34506	26518	26.45	43424	2815
+17.50	-21327	+37937	+20.50	+8973	+42587	+23.50	+34822	+26103	+26.50	+43388	-3336
17.55	20871	38190	20.55	9483	42476	23.55	35133	25683	26.55	43344	3856
17.60	20411	38437	20.60	9992	42359	23.60	35438	25259	26.60	43295	4376
17.65	19949	38680	20.65	10500	42236	23.65	35739	24832	26.65	43239	4895
17.70	19483	38916	20.70	11006	42107	23.70	36034	24402	26.70	43177	5414
+17.75	-19015	+39147	+20.75	+11510	+41972	+23.75	+36324	+23968	+26.75	+43109	-5931
17.80	18544	39373	20.80	12013	41831	23.80	36609	23530	26.80	43035	6448
17.85	18070	39592	20.85	12514	41684	23.85	36889	23089	26.85	42954	6964
17.90	17594	39806	20.90	13013	41531	23.90	37163	22645	26.90	42868	7479
17.95	17115	40015	20.95	13510	41372	23.95	37432	22197	26.95	42775	7993
+18.00	-16634	+40217	+21.00	+14006	+41207	+24.00	+37696	+21746	+27.00	+42676	-8506

t	R	I	t	R	I	t	R	I	t	R	I
+27.00	+42676	-8506	+30.25	+24354	-36059	+33.50	-8047	-42762	+36.75	-35796	-24740
27.05	42570	9017	30.30	23920	36348	33.55	8560	42662	36.80	36090	24308
27.10	42459	9527	30.35	23482	36633	33.60	9071	42556	36.85	36379	23874
27.15	42342	10036	30.40	23041	36912	33.65	9581	42444	36.90	36663	23435
27.20	42218	10543	30.45	22596	37186	33.70	10090	42326	36.95	36942	22994
+27.25	+42089	-11049	+30.50	+22148	-37454	+33.75	-10597	-42202	+37.00	-37215	-22549
27.30	41953	11554	30.55	21697	37717	33.80	11103	42072	37.05	37483	22101
27.35	41811	12056	30.60	21243	37975	33.85	11607	41936	37.10	37745	21649
27.40	41664	12557	30.65	20786	38227	33.90	12109	41794	37.15	38002	21195
27.45	41510	13056	30.70	20325	38474	33.95	12610	41645	37.20	38254	20737
+27.50	+41350	-13553	+30.75	+19862	-38715	+34.00	-13109	-41491	+37.25	-38500	-20277
27.55	41184	14048	30.80	19396	38950	34.05	13606	41331	37.30	38741	19813
27.60	41013	14542	30.85	18927	39180	34.10	14101	41164	37.35	38976	19347
27.65	40835	15033	30.90	18456	39405	34.15	14594	40992	37.40	39205	18878
27.70	40652	15522	30.95	17982	39623	34.20	15084	40814	37.45	39429	18406
+27.75	+40463	-16008	+31.00	+17505	-39836	+34.25	-15573	-40630	+37.50	-39647	-17932
27.80	40268	16493	31.05	17026	40043	34.30	16060	40440	37.55	39859	17455
27.85	40067	16975	31.10	16544	40245	34.35	16544	40245	37.60	40066	16975
27.90	39860	17454	31.15	16060	40440	34.40	17026	40043	37.65	40266	16493
27.95	39648	17931	31.20	15573	40630	34.45	17505	39836	37.70	40462	16009
+28.00	+39430	-18406	+31.25	+15084	-40814	+34.50	-17982	-39623	+37.75	-40651	-15522
28.05	39206	18878	31.30	14594	40992	34.55	18456	39404	37.80	40834	15033
28.10	38976	19347	31.35	14101	41164	34.60	18927	39180	37.85	41012	14542
28.15	38741	19813	31.40	13606	41331	34.65	19396	38950	37.90	41183	14049
28.20	38501	20277	31.45	13109	41491	34.70	19862	38715	37.95	41349	13554
+28.25	+38255	-20737	+31.50	+12610	-41645	+34.75	-20325	-38474	+38.00	-41509	-13056
28.30	38003	21195	31.55	12109	41793	34.80	20786	38227	38.05	41662	12557
28.35	37746	21649	31.60	11607	41936	34.85	21243	37975	38.10	41810	12057
28.40	37484	22100	31.65	11103	42072	34.90	21697	37717	38.15	41952	11554
28.45	37216	22549	31.70	10597	42202	34.95	22148	37454	38.20	42087	11050
+28.50	+36942	-22994	+31.75	+10090	-42326	+35.00	-22596	-37186	+38.25	-42217	-10544
28.55	36664	23435	31.80	9581	42444	35.05	23041	36912	38.30	42340	10037
28.60	36380	23874	31.85	9071	42556	35.10	23482	36633	38.35	42458	9528
28.65	36091	24308	31.90	8560	42662	35.15	23920	36348	38.40	42569	9018
28.70	35796	24740	31.95	8047	42762	35.20	24354	36059	38.45	42674	8506
+28.75	+35497	-25167	+32.00	+7533	-42855	+35.25	-24785	-35764	+38.50	-42773	-7994
28.80	35192	25592	32.05	7019	42943	35.30	25212	35404	38.55	42866	7480
28.85	34883	26012	32.10	6503	43024	35.35	25636	35159	38.60	42953	6965
28.90	34568	26429	32.15	5986	43099	35.40	26056	34848	38.65	43033	6449
28.95	34248	26842	32.20	5468	43167	35.45	26473	34533	38.70	43107	5932
+29.00	+33924	-27251	+32.25	+4950	-43230	+35.50	-26885	-34213	+38.75	-43176	-5414
29.05	33594	27656	32.30	4431	43286	35.55	27294	33888	38.80	43237	4806
29.10	33260	28057	32.35	3911	43336	35.60	27698	33558	38.85	43293	4377
29.15	32921	28454	32.40	3391	43380	35.65	28099	33223	38.90	43343	3857
29.20	32577	28847	32.45	2870	43418	35.70	28496	32884	38.95	43386	3336
+29.25	+32228	-29236	+32.50	+2349	-43449	+35.75	-28888	-32539	+39.00	-43423	-2816
29.30	31875	29621	32.55	1827	43474	35.80	29277	32190	39.05	43453	2294
29.35	31517	30001	32.60	1305	43493	35.85	29661	31837	39.10	43478	1773
29.40	31155	30377	32.65	783	43505	35.90	30041	31479	39.15	43496	1251
29.45	30788	30749	32.70	261	43512	35.95	30417	31116	39.20	43508	729
+29.50	+30417	-31116	+32.75	-261	-43512	+36.00	-30788	-30749	+39.25	-43513	-207
29.55	30041	31479	32.80	783	43505	36.05	31155	30377	39.30	43513	315
29.60	29661	31837	32.85	1305	43493	36.10	31517	30001	39.35	43506	838
29.65	29277	32190	32.90	1827	43474	36.15	31875	29620	39.40	43493	1359
29.70	28889	32539	32.95	2349	43449	36.20	32228	29236	39.45	43473	1881
+29.75	+28496	-32884	+33.00	-2870	-43418	+36.25	-32576	-28847	+39.50	-43448	+2403
29.80	28100	33223	33.05	3391	43380	36.30	32920	28454	39.55	43416	2924
29.85	27699	33558	33.10	3911	43336	36.35	33259	28057	39.60	43377	3445
29.90	27294	33888	33.15	4431	43286	36.40	33594	27656	39.65	43333	3965
29.95	26886	34213	33.20	4950	43230	36.45	33923	27251	39.70	43282	4485
+30.00	+26473	-34533	+33.25	-5468	-43167	+36.50	-34248	-26842	+39.75	-43225	+5004
30.05	26057	34848	33.30	5986	43099	36.55	34567	26429	39.80	43162	5522
30.10	25637	35159	33.35	6503	43024	36.60	34882	26012	39.85	43093	6040
30.15	25213	35464	33.40	7019	42942	36.65	35192	25592	39.90	43017	6556
30.20	24785	35764	33.45	7533	42855	36.70	35496	25167	39.95	42936	7072
+30.25	+24354	-36059	+33.50	-8047	-42762	+36.75	-35796	-24740	+40.00	-42848	+7587

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-40	0	+1	-7.0	-89	+78	-2.60	-753	+376	-1.40	-1821	+719
39	-1	1	6.9	93	80	2.58	763	380	1.38	1851	728
38	1	2	6.8	96	83	2.56	773	383	1.36	1881	736
37	1	2	6.7	100	85	2.54	784	387	1.34	1912	746
36	1	2	6.6	104	87	2.52	794	391	1.32	1944	755
-35	-1	+2	-6.5	-108	+90	-2.50	-805	+395	-1.30	-1977	+764
34	1	2	6.4	112	93	2.48	816	398	1.28	2010	774
33	1	2	6.3	116	95	2.46	827	402	1.26	2044	784
32	1	2	6.2	121	98	2.44	838	406	1.24	2078	793
31	1	2	6.1	126	101	2.42	850	410	1.22	2113	803
-30	-1	+3	-6.0	-131	+104	-2.40	-861	+415	-1.20	-2149	+814
29	1	3	5.9	137	108	2.38	873	419	1.18	2185	824
28	1	3	5.8	142	111	2.36	885	423	1.16	2223	835
27	1	4	5.7	149	114	2.34	898	427	1.14	2261	845
26	2	4	5.6	155	118	2.32	910	431	1.12	2299	856
-25	-2	+4	-5.5	-162	+122	-2.30	-923	+436	-1.10	-2339	+867
24	2	5	5.4	169	126	2.28	936	440	1.08	2379	879
23	3	5	5.3	177	130	2.26	949	445	1.06	2420	890
22	3	6	5.2	185	134	2.24	962	449	1.04	2462	902
21	3	7	5.1	193	139	2.22	976	454	1.02	2504	914
-20	-4	+8	-5.0	-202	+144	-2.20	-990	+459	-1.00	-2548	+926
19	5	9	4.9	212	149	2.18	1004	464	0.98	2592	938
18	6	10	4.8	222	154	2.16	1019	468	0.96	2637	951
17	7	11	4.7	233	159	2.14	1033	473	0.94	2683	964
16	8	13	4.6	244	165	2.12	1048	478	0.92	2730	977
-15	-10	+15	-4.5	-256	+171	-2.10	-1063	+483	-0.90	-2778	+990
14	12	18	4.4	269	177	2.08	1079	489	0.88	2827	1003
13	16	21	4.3	283	184	2.06	1095	494	0.86	2876	1017
12	20	26	4.2	298	191	2.04	1111	499	0.84	2927	1031
11	26	31	4.1	314	198	2.02	1127	504	0.82	2978	1045
-10.0	-34	+38	-4.0	-330	+206	-2.00	-1144	+510	-0.80	-3030	+1060
9.9	35	39	3.9	348	214	1.98	1161	515	0.78	3084	1074
9.8	36	40	3.8	368	223	1.96	1178	521	0.76	3138	1089
9.7	37	41	3.7	388	232	1.94	1195	527	0.74	3193	1104
9.6	38	42	3.6	411	241	1.92	1213	532	0.72	3249	1120
-9.5	-39	+43	-3.5	-434	+252	-1.90	-1231	+538	-0.70	-3307	+1136
9.4	40	43	3.4	460	262	1.88	1250	544	0.68	3365	1152
9.3	42	44	3.3	487	274	1.86	1269	550	0.66	3424	1168
9.2	43	45	3.2	517	286	1.84	1288	556	0.64	3484	1185
9.1	44	46	3.1	549	299	1.82	1308	563	0.62	3545	1201
-9.0	-46	+48	-3.00	-584	+312	-1.80	-1328	+569	-0.60	-3607	+1219
8.9	47	49	2.98	591	315	1.78	1348	575	0.58	3670	1236
8.8	49	50	2.96	598	318	1.76	1369	582	0.56	3734	1254
8.7	50	51	2.94	606	321	1.74	1390	589	0.54	3799	1272
8.6	52	52	2.92	613	324	1.72	1412	595	0.52	3865	1290
-8.5	-53	+53	-2.90	-621	+327	-1.70	-1434	+602	-0.50	-3932	+1309
8.4	55	55	2.88	629	330	1.68	1456	609	0.48	3999	1328
8.3	57	56	2.86	637	333	1.66	1479	616	0.46	4068	1347
8.2	59	57	2.84	645	336	1.64	1503	623	0.44	4138	1367
8.1	61	59	2.82	653	339	1.62	1526	631	0.42	4208	1387
-8.0	-63	+60	-2.80	-661	+342	-1.60	-1551	+638	-0.40	-4279	+1408
7.9	65	62	2.78	670	345	1.58	1575	646	0.38	4352	1428
7.8	67	63	2.76	679	349	1.56	1601	653	0.36	4424	1449
7.7	70	65	2.74	687	352	1.54	1626	661	0.34	4498	1471
7.6	72	67	2.72	696	355	1.52	1652	669	0.32	4572	1492
-7.5	-75	+69	-2.70	-705	+358	-1.50	-1679	+677	-0.30	-4648	+1515
7.4	77	70	2.68	715	362	1.48	1706	685	0.28	4723	1537
7.3	80	72	2.66	724	365	1.46	1734	693	0.26	4800	1560
7.2	83	74	2.64	734	369	1.44	1762	701	0.24	4877	1583
7.1	86	76	2.62	743	372	1.42	1791	710	0.22	4954	1607
-7.0	-89	+78	-2.60	-753	+376	-1.40	-1821	+719	-0.20	-5032	+1631

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-0.20	-5032	+1631	+1.00	-8772	+3696	+2.20	-9077	+6330	+4.00	-6353	+9752
0.18	5110	1655	1.02	8802	3738	2.22	9062	6374	4.05	6247	9828
0.16	5189	1680	1.04	8831	3781	2.24	9047	6417	4.10	6139	9902
0.14	5268	1705	1.06	8859	3823	2.26	9032	6460	4.15	6030	9975
0.12	5348	1730	1.08	8885	3866	2.28	9016	6504	4.20	5920	10047
-0.10	-5427	+1756	+1.10	-8911	+3908	+2.30	-9000	+6547	+4.25	-5809	+10117
0.08	5507	1782	1.12	8936	3951	2.32	8983	6590	4.30	5697	10186
0.06	5587	1809	1.14	8960	3994	2.34	8966	6633	4.35	5583	10254
0.04	5667	1836	1.16	8982	4037	2.36	8948	6676	4.40	5469	10320
-0.02	5747	1863	1.18	9004	4081	2.38	8930	6719	4.45	5353	10385
0.00	-5827	+1891	+1.20	-9025	+4124	+2.40	-8912	+6762	+4.50	-5236	+10449
+0.02	5907	1919	1.22	9045	4167	2.42	8893	6805	4.55	5119	10511
0.04	5986	1948	1.24	9063	4211	2.44	8874	6847	4.60	5000	10572
0.06	6065	1977	1.26	9081	4254	2.46	8854	6890	4.65	4881	10631
0.08	6144	2006	1.28	9098	4298	2.48	8834	6932	4.70	4761	10689
+0.10	-6223	+2036	+1.30	-9114	+4342	+2.50	-8813	+6975	+4.75	-4639	+10745
0.12	6301	2066	1.32	9129	4385	2.52	8792	7017	4.80	4517	10800
0.14	6379	2096	1.34	9144	4429	2.54	8771	7059	4.85	4394	10854
0.16	6456	2127	1.36	9157	4473	2.56	8749	7101	4.90	4271	10906
0.18	6532	2158	1.38	9170	4517	2.58	8727	7143	4.95	4146	10956
+0.20	-6608	+2190	+1.40	-9181	+4561	+2.60	-8704	+7185	+5.00	-4021	+11005
0.22	6683	2222	1.42	9192	4605	2.62	8681	7227	5.05	3895	11053
0.24	6758	2254	1.44	9202	4649	2.64	8658	7268	5.10	3768	11099
0.26	6831	2287	1.46	9211	4694	2.66	8634	7310	5.15	3640	11143
0.28	6904	2320	1.48	9220	4738	2.68	8610	7351	5.20	3512	11186
+0.30	-6976	+2353	+1.50	-9227	+4782	+2.70	-8586	+7393	+5.25	-3383	+11227
0.32	7047	2387	1.52	9234	4826	2.72	8561	7434	5.30	3254	11267
0.34	7117	2421	1.54	9240	4871	2.74	8536	7475	5.35	3124	11305
0.36	7186	2455	1.56	9246	4915	2.76	8511	7516	5.40	2993	11342
0.38	7254	2490	1.58	9250	4959	2.78	8485	7557	5.45	2862	11377
+0.40	-7321	+2525	+1.60	-9254	+5004	+2.80	-8459	+7597	+5.50	-2730	+11411
0.42	7386	2560	1.62	9257	5048	2.82	8432	7638	5.55	2598	11443
0.44	7451	2595	1.64	9260	5093	2.84	8405	7678	5.60	2465	11473
0.46	7515	2631	1.66	9262	5137	2.86	8378	7718	5.65	2332	11502
0.48	7577	2668	1.68	9263	5182	2.88	8350	7759	5.70	2199	11529
+0.50	-7638	+2704	+1.70	-9263	+5226	+2.90	-8322	+7799	+5.75	-2065	+11555
0.52	7698	2741	1.72	9263	5270	2.92	8294	7838	5.80	1930	11579
0.54	7757	2778	1.74	9262	5315	2.94	8265	7878	5.85	1795	11601
0.56	7814	2815	1.76	9260	5359	2.96	8236	7918	5.90	1660	11622
0.58	7871	2853	1.78	9258	5404	2.98	8207	7957	5.95	1525	11641
+0.60	-7926	+2891	+1.80	-9255	+5448	+3.00	-8178	+7997	+6.00	-1389	+11659
0.62	7980	2929	1.82	9252	5493	3.05	8103	8094	6.05	1253	11674
0.64	8032	2968	1.84	9247	5537	3.10	8026	8191	6.10	1116	11688
0.66	8084	3006	1.86	9243	5581	3.15	7947	8287	6.15	980	11701
0.68	8134	3045	1.88	9237	5626	3.20	7866	8381	6.20	843	11712
+0.70	-8183	+3084	+1.90	-9231	+5670	+3.25	-7783	+8475	+6.25	-706	+11721
0.72	8231	3124	1.92	9225	5714	3.30	7699	8568	6.30	569	11729
0.74	8277	3163	1.94	9218	5759	3.35	7613	8660	6.35	431	11735
0.76	8322	3203	1.96	9210	5803	3.40	7525	8751	6.40	294	11739
0.78	8366	3243	1.98	9202	5847	3.45	7435	8841	6.45	156	11742
+0.80	-8409	+3284	+2.00	-9193	+5891	+3.50	-7344	+8929	+6.50	-18	+11743
0.82	8451	3324	2.02	9184	5935	3.55	7252	9017	6.55	120	11742
0.84	8491	3365	2.04	9174	5979	3.60	7157	9103	6.60	257	11740
0.86	8530	3405	2.06	9164	6023	3.65	7062	9189	6.65	395	11736
0.88	8568	3446	2.08	9153	6067	3.70	6965	9273	6.70	533	11731
+0.90	-8605	+3488	+2.10	-9141	+6111	+3.75	-6866	+9356	+6.75	+671	+11723
0.92	8641	3529	2.12	9129	6155	3.80	6766	9437	6.80	809	11714
0.94	8675	3571	2.14	9117	6199	3.85	6665	9518	6.85	947	11704
0.96	8708	3612	2.16	9104	6243	3.90	6562	9597	6.90	1084	11692
0.98	8741	3654	2.18	9091	6286	3.95	6458	9676	6.95	1222	11678
+1.00	-8772	+3696	+2.20	-9077	+6330	+4.00	-6353	+9752	+7.00	+1359	+11663

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 2$$

t	R	I	t	R	I	t	R	I	t	R	I
+7.00	+1359	+11663	+9.75	+8142	+8413	+12.50	+11555	+1668	+15.25	+10132	-5760
7.05	1497	11645	9.80	8242	8314	12.55	11573	1529	15.30	10062	5881
7.10	1634	11627	9.85	8340	8215	12.60	11590	1390	15.35	9990	6001
7.15	1771	11606	9.90	8437	8114	12.65	11606	1251	15.40	9917	6121
7.20	1908	11584	9.95	8533	8012	12.70	11619	1112	15.45	9843	6239
+7.25	+2044	+11560	+10.00	+8627	+7910	+12.75	+11631	+972	+15.50	+9767	-6357
7.30	2180	11535	10.05	8721	7805	12.80	11642	832	15.55	9690	6474
7.35	2316	11508	10.10	8813	7700	12.85	11651	693	15.60	9611	6589
7.40	2452	11479	10.15	8903	7594	12.90	11658	553	15.65	9531	6704
7.45	2587	11449	10.20	8993	7487	12.95	11663	413	15.70	9450	6818
+7.50	+2722	+11417	+10.25	+9081	+7378	+13.00	+11667	+273	+15.75	+9367	-6931
7.55	2857	11384	10.30	9168	7269	13.05	11669	+133	15.80	9283	7043
7.60	2991	11349	10.35	9254	7158	13.10	11669	-7	15.85	9197	7154
7.65	3125	11312	10.40	9339	7047	13.15	11667	147	15.90	9111	7264
7.70	3259	11274	10.45	9422	6934	13.20	11664	287	15.95	9023	7372
+7.75	+3392	+11234	+10.50	+9503	+6821	+13.25	+11660	-427	+16.00	+8933	-7480
7.80	3524	11192	10.55	9584	6706	13.30	11653	567	16.05	8843	7587
7.85	3657	11149	10.60	9663	6591	13.35	11645	707	16.10	8751	7692
7.90	3788	11104	10.65	9740	6474	13.40	11636	847	16.15	8658	7797
7.95	3919	11058	10.70	9816	6357	13.45	11624	986	16.20	8563	7900
+8.00	+4050	+11010	+10.75	+9891	+6239	+13.50	+11611	-1126	+16.25	+8467	-8002
8.05	4180	10961	10.80	9965	6119	13.55	11596	1265	16.30	8371	8103
8.10	4310	10910	10.85	10037	5999	13.60	11580	1404	16.35	8273	8203
8.15	4438	10857	10.90	10107	5879	13.65	11562	1543	16.40	8173	8302
8.20	4567	10803	10.95	10176	5757	13.70	11542	1681	16.45	8073	8399
+8.25	+4694	+10748	+11.00	+10244	+5634	+13.75	+11521	-1820	+16.50	+7971	-8496
8.30	4821	10691	11.05	10310	5511	13.80	11498	1958	16.55	7869	8591
8.35	4948	10632	11.10	10375	5387	13.85	11473	2096	16.60	7765	8685
8.40	5074	10572	11.15	10438	5262	13.90	11447	2233	16.65	7660	8777
8.45	5199	10511	11.20	10500	5136	13.95	11419	2370	16.70	7554	8868
+8.50	+5323	+10448	+11.25	+10560	+5010	+14.00	+11389	-2507	+16.75	+7446	-8958
8.55	5446	10383	11.30	10618	4883	14.05	11358	2644	16.80	7338	9047
8.60	5569	10317	11.35	10676	4755	14.10	11325	2780	16.85	7229	9134
8.65	5691	10249	11.40	10731	4627	14.15	11290	2916	16.90	7119	9221
8.70	5812	10180	11.45	10785	4498	14.20	11254	3051	16.95	7007	9305
+8.75	+5933	+10110	+11.50	+10838	+4368	+14.25	+11216	-3186	+17.00	+6895	-9389
8.80	6052	10038	11.55	10889	4238	14.30	11177	3320	17.05	6782	9471
8.85	6171	9965	11.60	10938	4107	14.35	11136	3454	17.10	6667	9552
8.90	6289	9890	11.65	10986	3975	14.40	11094	3587	17.15	6552	9631
8.95	6406	9814	11.70	11033	3843	14.45	11049	3720	17.20	6436	9709
+9.00	+6522	+9736	+11.75	+11077	+3710	+14.50	+11004	-3853	+17.25	+6319	-9785
9.05	6637	9657	11.80	11120	3577	14.55	10956	3984	17.30	6200	9860
9.10	6751	9577	11.85	11162	3443	14.60	10907	4115	17.35	6082	9934
9.15	6864	9495	11.90	11202	3309	14.65	10857	4246	17.40	5962	10006
9.20	6976	9412	11.95	11240	3175	14.70	10805	4376	17.45	5841	10077
+9.25	+7088	+9328	+12.00	+11277	+3039	+14.75	+10751	-4505	+17.50	+5720	-10147
9.30	7198	9242	12.05	11312	2904	14.80	10696	4634	17.55	5597	10214
9.35	7307	9155	12.10	11346	2768	14.85	10640	4762	17.60	5474	10281
9.40	7415	9067	12.15	11378	2632	14.90	10581	4889	17.65	5350	10346
9.45	7522	8977	12.20	11408	2495	14.95	10522	5016	17.70	5225	10409
+9.50	+7628	+8886	+12.25	+11436	+2358	+15.00	+10460	-5142	+17.75	+5100	-10471
9.55	7733	8794	12.30	11463	2220	15.05	10398	5267	17.80	4974	10532
9.60	7837	8701	12.35	11489	2083	15.10	10333	5391	17.85	4847	10591
9.65	7940	8606	12.40	11512	1945	15.15	10268	5515	17.90	4719	10648
9.70	8042	8510	12.45	11534	1806	15.20	10201	5638	17.95	4591	10704
+9.75	+8142	+8413	+12.50	+11555	+1668	+15.25	+10132	-5760	+18.00	+4462	-10758

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 2$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+18.00	+4462	-10758	+20.75	-3078	-11232	+23.50	-9323	-6984	+26.25	-11650	+200
18.05	4332	10811	20.80	3213	11194	23.55	9406	6872	26.30	11647	339
18.10	4202	10862	20.85	3347	11155	23.60	9488	6758	26.35	11642	479
18.15	4071	10912	20.90	3481	11114	23.65	9568	6644	26.40	11636	619
18.20	3940	10960	20.95	3614	11071	23.70	9647	6529	26.45	11628	758
+18.25	+3808	-11006	+21.00	-3747	-11027	+23.75	-9725	-6413	+26.50	-11618	+898
18.30	3675	11051	21.05	3879	10981	23.80	9801	6295	26.55	11606	1037
18.35	3542	11095	21.10	4010	10934	23.85	9876	6177	26.60	11593	1176
18.40	3409	11136	21.15	4141	10885	23.90	9950	6058	26.65	11578	1315
18.45	3275	11176	21.20	4272	10835	23.95	10022	5939	26.70	11561	1454
+18.50	+3140	-11215	+21.25	-4402	-10783	+24.00	-10093	-5818	+26.75	-11543	+1593
18.55	3005	11252	21.30	4531	10729	24.05	10162	5696	26.80	11523	1731
18.60	2870	11287	21.35	4659	10674	24.10	10229	5574	26.85	11502	1870
18.65	2734	11321	21.40	4787	10617	24.15	10296	5451	26.90	11479	2007
18.70	2598	11353	21.45	4914	10559	24.20	10360	5327	26.95	11454	2145
+18.75	+2461	-11383	+21.50	-5041	-10499	+24.25	-10424	-5202	+27.00	-11427	+2282
18.80	2324	11412	21.55	5166	10438	24.30	10485	5077	27.05	11399	2419
18.85	2187	11439	21.60	5291	10375	24.35	10546	4951	27.10	11369	2556
18.90	2050	11464	21.65	5416	10311	24.40	10604	4824	27.15	11338	2692
18.95	1912	11488	21.70	5539	10245	24.45	10661	4696	27.20	11305	2828
+19.00	+1774	-11510	+21.75	-5662	-10178	+24.50	-10717	-4568	+27.25	-11270	+2963
19.05	1635	11531	21.80	5783	10109	24.55	10771	4439	27.30	11234	3098
19.10	1497	11549	21.85	5904	10039	24.60	10824	4309	27.35	11196	3233
19.15	1358	11567	21.90	6025	9968	24.65	10875	4179	27.40	11156	3367
19.20	1219	11582	21.95	6144	9895	24.70	10924	4048	27.45	11115	3501
+19.25	+1079	-11596	+22.00	-6262	-9820	+24.75	-10972	-3917	+27.50	-11072	+3634
19.30	940	11608	22.05	6380	9744	24.80	11018	3785	27.55	11028	3767
19.35	801	11618	22.10	6496	9667	24.85	11063	3653	27.60	10982	3899
19.40	661	11627	22.15	6612	9588	24.90	11106	3520	27.65	10934	4030
19.45	521	11634	22.20	6726	9508	24.95	11148	3386	27.70	10885	4161
+19.50	+382	-11640	+22.25	-6840	-9427	+25.00	-11188	-3252	+27.75	-10835	+4291
19.55	242	11643	22.30	6953	9344	25.05	11226	3118	27.80	10782	4421
19.60	+102	11645	22.35	7065	9260	25.10	11262	2983	27.85	10729	4550
19.65	-38	11646	22.40	7175	9175	25.15	11297	2847	27.90	10673	4679
19.70	178	11644	22.45	7285	9088	25.20	11331	2711	27.95	10617	4806
+19.75	-318	-11641	+22.50	-7394	-9000	+25.25	-11363	-2575	+28.00	-10558	+4933
19.80	458	11637	22.55	7501	8911	25.30	11393	2439	28.05	10498	5060
19.85	597	11630	22.60	7608	8820	25.35	11421	2302	28.10	10437	5185
19.90	737	11622	22.65	7713	8728	25.40	11448	2165	28.15	10374	5310
19.95	876	11613	22.70	7817	8635	25.45	11473	2027	28.20	10309	5434
+20.00	-1016	-11602	+22.75	-7920	-8540	+25.50	-11497	-1889	+28.25	-10244	+5558
20.05	1155	11588	22.80	8022	8445	25.55	11519	1751	28.30	10176	5680
20.10	1294	11574	22.85	8123	8348	25.60	11539	1613	28.35	10107	5802
20.15	1433	11557	22.90	8223	8250	25.65	11558	1474	28.40	10037	5923
20.20	1572	11539	22.95	8321	8150	25.70	11575	1335	28.45	9965	6043
+20.25	-1710	-11520	+23.00	-8419	-8050	+25.75	-11590	-1196	+28.50	-9892	+6162
20.30	1849	11498	23.05	8515	7948	25.80	11603	1057	28.55	9818	6280
20.35	1987	11475	23.10	8610	7846	25.85	11615	918	28.60	9742	6397
20.40	2124	11451	23.15	8703	7742	25.90	11626	779	28.65	9664	6514
20.45	2262	11424	23.20	8796	7637	25.95	11634	639	28.70	9585	6629
+20.50	-2399	-11396	+23.25	-8887	-7531	+26.00	-11641	-499	+28.75	-9505	+6744
20.55	2535	11367	23.30	8976	7423	26.05	11646	360	28.80	9423	6858
20.60	2672	11336	23.35	9065	7315	26.10	11650	220	28.85	9341	6970
20.65	2808	11303	23.40	9152	7206	26.15	11652	80	28.90	9256	7082
20.70	2943	11268	23.45	9238	7096	26.20	11652	+60	28.95	9171	7192
+20.75	-3078	-11232	+23.50	-9323	-6984	+26.25	-11650	+200	+29.00	-9084	+7302

$$\bar{\omega} = 0.24$$

$$n = 2$$

$$4\pi W_e \times 10^4$$

t	R	I	t	R	I	t	R	I	t	R	I
+29.00	-9084	+7302	+31.75	-2701	+11338	+34.50	+4816	+10614	+37.25	+10311	+5432
29.05	8996	7410	31.80	2565	11370	34.55	4943	10555	37.30	10376	5308
29.10	8906	7518	31.85	2428	11400	34.60	5070	10495	37.35	10439	5183
29.15	8815	7624	31.90	2291	11428	34.65	5195	10434	37.40	10500	5058
29.20	8723	7729	31.95	2154	11455	34.70	5320	10370	37.45	10560	4931
+29.25	-8630	+7833	+32.00	-2017	+11480	+34.75	+5444	+10306	+37.50	+10619	+4804
29.30	8535	7936	32.05	1879	11503	34.80	5507	10240	37.55	10675	4676
29.35	8439	8038	32.10	1741	11525	34.85	5600	10172	37.60	10731	4548
29.40	8342	8139	32.15	1602	11545	34.90	5811	10103	37.65	10785	4419
29.45	8244	8238	32.20	1464	11563	34.95	5932	10033	37.70	10837	4289
+29.50	-8145	+8337	+32.25	-1325	+11580	+35.00	+6052	+9961	+37.75	+10887	+4159
29.55	8044	8434	32.30	1186	11595	35.05	6171	9888	37.80	10937	4028
29.60	7942	8530	32.35	1047	11609	35.10	6289	9813	37.85	10984	3896
29.65	7839	8624	32.40	907	11620	35.15	6407	9737	37.90	11030	3764
29.70	7735	8718	32.45	768	11630	35.20	6523	9659	37.95	11074	3632
+29.75	-7630	+8810	+32.50	-628	+11639	+35.25	+6638	+9580	+38.00	+11117	+3499
29.80	7524	8901	32.55	488	11645	35.30	6753	9500	38.05	11158	3365
29.85	7417	8991	32.60	349	11650	35.35	6866	9418	38.10	11198	3231
29.90	7308	9079	32.65	209	11654	35.40	6979	9335	38.15	11236	3096
29.95	7199	9166	32.70	69	11655	35.45	7090	9251	38.20	11272	2961
+30.00	-7089	+9252	+32.75	+71	+11655	+35.50	+7201	+9165	+38.25	+11307	+2826
30.05	6977	9336	32.80	211	11654	35.55	7310	9078	38.30	11340	2690
30.10	6865	9419	32.85	350	11650	35.60	7419	8989	38.35	11371	2553
30.15	6751	9501	32.90	490	11645	35.65	7526	8900	38.40	11401	2417
30.20	6637	9581	32.95	630	11639	35.70	7632	8809	38.45	11429	2280
+30.25	-6521	+9660	+33.00	+770	+11630	+35.75	+7737	+8717	+38.50	+11456	+2142
30.30	6405	9738	33.05	909	11620	35.80	7841	8623	38.55	11481	2005
30.35	6288	9814	33.10	1048	11608	35.85	7944	8528	38.60	11504	1867
30.40	6169	9889	33.15	1188	11595	35.90	8046	8432	38.65	11525	1729
30.45	6050	9962	33.20	1327	11580	35.95	8146	8335	38.70	11545	1590
+30.50	-5930	+10034	+33.25	+1465	+11563	+36.00	+8246	+8237	+38.75	+11564	+1452
30.55	5810	10104	33.30	1604	11545	36.05	8344	8137	38.80	11580	1313
30.60	5688	10173	33.35	1742	11525	36.10	8441	8037	38.85	11595	1174
30.65	5566	10241	33.40	1881	11503	36.15	8537	7935	38.90	11608	1034
30.70	5442	10307	33.45	2018	11480	36.20	8632	7832	38.95	11620	895
+30.75	-5318	+10371	+33.50	+2156	+11455	+36.25	+8725	+7728	+39.00	+11630	+756
30.80	5193	10434	33.55	2293	11428	36.30	8817	7622	39.05	11638	616
30.85	5068	10496	33.60	2430	11399	36.35	8908	7516	39.10	11645	476
30.90	4942	10556	33.65	2567	11369	36.40	8997	7409	39.15	11649	337
30.95	4815	10615	33.70	2703	11338	36.45	9086	7300	39.20	11653	197
+31.00	-4687	+10672	+33.75	+2839	+11305	+36.50	+9173	+7191	+39.25	+11654	+57
31.05	4559	10727	33.80	2974	11270	36.55	9258	7080	39.30	11654	-83
31.10	4430	10781	33.85	3109	11233	36.60	9342	6968	39.35	11652	223
31.15	4300	10833	33.90	3244	11195	36.65	9425	6856	39.40	11648	363
31.20	4170	10884	33.95	3378	11155	36.70	9507	6742	39.45	11643	502
+31.25	-4039	+10933	+34.00	+3512	+11114	+36.75	+9587	+6628	+39.50	+11636	-642
31.30	3907	10981	34.05	3645	11071	36.80	9666	6512	39.55	11628	782
31.35	3775	11027	34.10	3777	11027	36.85	9743	6396	39.60	11618	921
31.40	3643	11072	34.15	3909	10980	36.90	9819	6278	39.65	11606	1060
31.45	3510	11115	34.20	4041	10933	36.95	9894	6160	39.70	11592	1200
+31.50	-3376	+11156	+34.25	+4171	+10883	+37.00	+9967	+6041	+39.75	+11577	-1339
31.55	3242	11196	34.30	4302	10833	37.05	10039	5921	39.80	11560	1477
31.60	3107	11234	34.35	4431	10780	37.10	10109	5800	39.85	11541	1616
31.65	2972	11270	34.40	4560	10726	37.15	10178	5678	39.90	11521	1754
31.70	2837	11305	34.45	4689	10671	37.20	10245	5556	39.95	11499	1893
+31.75	-2701	+11338	+34.50	+4816	+10614	+37.25	+10311	+5432	+40.00	+11476	-2030

$$4\pi W_c \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
-40	0	+ 1	-5.0	- 137	+ 115	+3.0	-986	+1334
39	0	1	4.8	147	122	3.1	970	1358
38	0	1	4.6	158	129	3.2	953	1381
37	0	1	4.4	171	137	3.3	934	1404
36	- 1	1	4.2	184	145	3.4	915	1426
-35	- 1	+ 2	-4.0	- 198	+ 155	+3.5	-895	+1447
34	1	2	3.8	214	164	3.6	873	1469
33	1	2	3.6	232	175	3.7	850	1489
32	1	2	3.4	251	187	3.8	827	1510
31	1	2	3.2	271	199	3.9	803	1529
-30	- 1	+ 3	-3.0	- 293	+ 213	+4.0	-777	+1548
29	1	3	2.8	317	227	4.1	751	1567
28	1	3	2.6	343	243	4.2	724	1584
27	1	3	2.4	372	260	4.3	696	1601
26	1	4	2.2	402	279	4.4	667	1618
-25	- 2	+ 4	-2.0	- 435	+ 299	+4.5	-638	+1633
24	2	5	1.8	470	321	4.6	607	1648
23	2	5	1.6	507	344	4.7	576	1662
22	3	6	1.4	547	369	4.8	545	1676
21	3	6	1.2	588	397	4.9	513	1688
-20	- 4	+ 7	-1.0	- 630	+ 426	+5.0	-480	+1700
19	5	8	0.8	674	457	5.1	446	1711
18	5	10	0.6	719	491	5.2	413	1722
17	7	11	0.4	764	526	5.3	378	1731
16	8	13	-0.2	808	564	5.4	343	1740
-15	- 9	+ 15	0.0	- 851	+ 604	+5.5	-308	+1748
14	11	17	+0.1	871	624	5.6	272	1755
13	14	20	0.2	891	645	5.7	236	1761
12	18	24	0.3	911	667	5.8	200	1766
11	23	29	0.4	930	689	5.9	163	1770
-10.0	- 29	+ 35	+0.5	- 948	+ 712	+6.0	-126	+1774
9.8	31	36	0.6	965	735	6.1	89	1776
9.6	32	38	0.7	981	758	6.2	51	1778
9.4	34	39	0.8	996	782	6.3	- 13	1779
9.2	36	41	0.9	1010	806	6.4	+ 25	1779
- 9.0	- 38	+ 43	+1.0	-1022	+ 830	+6.5	+ 63	+1778
8.8	41	45	1.1	1034	855	6.6	101	1776
8.6	43	47	1.2	1044	880	6.7	140	1773
8.4	46	49	1.3	1052	905	6.8	178	1769
8.2	48	51	1.4	1060	930	6.9	216	1764
- 8.0	- 51	+ 54	+1.5	-1066	+ 956	+7.0	+255	+1759
7.8	54	56	1.6	1070	981	7.1	293	1752
7.6	57	59	1.7	1073	1007	7.2	331	1745
7.4	61	62	1.8	1075	1033	7.3	369	1736
7.2	65	65	1.9	1075	1059	7.4	408	1727
- 7.0	- 69	+ 68	+2.0	-1074	+1084	+7.5	+446	+1717
6.8	74	71	2.1	1071	1110	7.6	483	1706
6.6	79	75	2.2	1067	1136	7.7	521	1694
6.4	84	79	2.3	1062	1161	7.8	559	1681
6.2	90	83	2.4	1055	1187	7.9	596	1667
- 6.0	- 96	+ 87	+2.5	-1047	+1212	+8.0	+633	+1652
5.8	103	92	2.6	1037	1237	8.1	670	1637
5.6	110	97	2.7	1026	1262	8.2	706	1620
5.4	118	102	2.8	1014	1286	8.3	742	1603
5.2	127	108	2.9	1001	1311	8.4	778	1584
- 5.0	-137	+115	+3.0	- 986	+1334	+8.5	+814	+1565

$$4\pi W_e \times 10^4$$

$$\bar{\omega} = 0.24$$

$$n = 4$$

t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}
+ 8.5	+ 814	+1565	+18.0	+ 656	-1562	+29.0	-1325	+1068
8.6	848	1545	18.2	579	1592	29.2	1272	1130
8.7	883	1524	18.4	502	1618	29.4	1217	1190
8.8	917	1503	18.6	423	1640	29.6	1159	1247
8.9	950	1480	18.8	343	1658	29.8	1098	1301
+ 9.0	+ 984	+1457	+19.0	+ 263	-1673	+30.0	-1034	+1352
9.1	1016	1433	19.2	182	1684	30.2	968	1400
9.2	1048	1408	19.4	100	1690	30.4	900	1445
9.3	1080	1383	19.6	+ 18	1693	30.6	830	1487
9.4	1111	1356	19.8	- 63	1692	30.8	757	1525
+ 9.5	+1141	+1329	+20.0	- 145	-1687	+31.0	- 684	+1560
9.6	1171	1302	20.2	226	1678	31.2	608	1591
9.7	1200	1273	20.4	307	1665	31.4	531	1618
9.8	1228	1244	20.6	387	1649	31.6	453	1642
9.9	1256	1215	20.8	466	1628	31.8	374	1661
+10.0	+1283	+1184	+21.0	- 544	-1604	+32.0	- 294	+1678
10.2	1336	1121	21.2	621	1576	32.2	213	1690
10.4	1385	1056	21.4	696	1544	32.4	132	1698
10.6	1431	988	21.6	770	1509	32.6	- 50	1702
10.8	1474	918	21.8	842	1471	32.8	+ 31	1703
+11.0	+1514	+ 847	+22.0	- 912	-1429	+33.0	+ 113	+1700
11.2	1550	773	22.2	980	1383	33.2	194	1692
11.4	1583	698	22.4	1045	1334	33.4	275	1681
11.6	1613	621	22.6	1108	1283	33.6	355	1666
11.8	1639	543	22.8	1169	1228	33.8	435	1647
+12.0	+1661	+ 464	+23.0	-1227	-1171	+34.0	+ 513	+1624
12.2	1679	383	23.2	1282	1110	34.2	590	1598
12.4	1694	303	23.4	1334	1048	34.4	666	1567
12.6	1705	221	23.6	1383	982	34.6	741	1533
12.8	1712	139	23.8	1429	915	34.8	813	1496
+13.0	+1715	+ 57	+24.0	-1472	- 845	+35.0	+ 884	+1456
13.2	1714	- 26	24.2	1511	774	35.2	953	1411
13.4	1709	108	24.4	1546	700	35.4	1019	1364
13.6	1701	190	24.6	1578	625	35.6	1083	1313
13.8	1688	271	24.8	1607	549	35.8	1145	1260
+14.0	+1672	- 352	+25.0	-1632	- 471	+36.0	+1204	+1204
14.2	1652	431	25.2	1653	392	36.2	1260	1144
14.4	1628	510	25.4	1670	312	36.4	1313	1083
14.6	1601	588	25.6	1683	232	36.6	1364	1018
14.8	1570	664	25.8	1692	151	36.8	1411	952
+15.0	+1535	- 738	+26.0	-1608	- 70	+37.0	+1455	+ 883
15.2	1497	811	26.2	1699	+ 12	37.2	1495	812
15.4	1455	882	26.4	1697	93	37.4	1533	739
15.6	1410	951	26.6	1691	175	37.6	1566	665
15.8	1362	1017	26.8	1681	256	37.8	1596	589
+16.0	+1311	-1081	+27.0	-1667	+ 336	+38.0	+1623	+ 512
16.2	1256	1143	27.2	1649	416	38.2	1645	433
16.4	1199	1202	27.4	1627	494	38.4	1664	354
16.6	1139	1258	27.6	1602	572	38.6	1679	274
16.8	1077	1311	27.8	1573	648	38.8	1690	193
+17.0	+1012	-1361	+28.0	-1540	+ 723	+39.0	+1698	+ 112
17.2	945	1408	28.2	1504	796	39.2	1701	+ 30
17.4	875	1452	28.4	1464	867	39.4	1700	- 52
17.6	804	1492	28.6	1421	936	39.6	1696	133
17.8	731	1529	28.8	1375	1003	39.8	1687	214
+18.0	+ 656	-1562	+29.0	-1325	+1068	+40.0	+1675	- 295

$4\pi W_e \times 10^4$

$\bar{\omega} = 0.24$
 $n = 6$

<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>	<i>t</i>	<i>R</i>	<i>S</i>		
-40	0	+	1	0.0	-255	+280	+10.0	+400	+375	+20.0	-41	-501	+30.0	-310	+408	
39	-	1	1	+0.2	261	293	10.2	415	356	20.2	66	499	30.2	290	422	
38	1	1	1	0.4	266	305	10.4	429	335	20.4	90	495	30.4	269	435	
37	1	1	1	0.6	270	318	10.6	442	315	20.6	114	490	30.6	248	448	
36	1	1	1	0.8	274	331	10.8	455	293	20.8	138	484	30.8	227	459	
-35	-	1	+	2	+1.0	-277	+344	+11.0	+466	+271	+21.0	-161	-477	+31.0	-205	+469
34	1	2	2	1.2	278	358	11.2	476	248	21.2	184	469	31.2	182	479	
33	1	2	2	1.4	279	371	11.4	486	225	21.4	207	459	31.4	159	487	
32	1	2	2	1.6	279	384	11.6	494	202	21.6	229	449	31.6	135	494	
31	1	2	2	1.8	277	398	11.8	502	178	21.8	251	438	31.8	112	500	
-30	-	1	+	2	+2.0	-275	+411	+12.0	+508	+153	+22.0	-272	-425	+32.0	-88	+505
29	1	3	3	2.2	271	424	12.2	513	129	22.2	292	412	32.2	63	508	
28	1	3	3	2.4	266	437	12.4	517	104	22.4	312	397	32.4	39	511	
27	1	3	3	2.6	260	450	12.6	520	79	22.6	331	382	32.6	-15	512	
26	2	3	3	2.8	252	462	12.8	522	54	22.8	349	365	32.8	+10	512	
-25	-	2	+	4	+3.0	-244	+474	+13.0	+522	+29	+23.0	-367	-348	+33.0	+34	+511
24	2	4	4	3.2	234	485	13.2	522	+4	23.2	383	330	33.2	59	509	
23	2	4	5	3.4	223	496	13.4	520	-21	23.4	399	311	33.4	83	505	
22	3	6	6	3.6	212	507	13.6	517	46	23.6	414	292	33.6	107	501	
21	3	6	6	3.8	199	517	13.8	513	71	23.8	428	272	33.8	131	495	
-20	-	4	+	7	+4.0	-185	+526	+14.0	+508	-95	+24.0	-441	-251	+34.0	+154	+488
19	4	8	8	4.2	170	535	14.2	502	119	24.2	452	230	34.2	178	480	
18	5	9	9	4.4	154	542	14.4	494	143	24.4	463	208	34.4	200	471	
17	6	10	10	4.6	138	549	14.6	486	167	24.6	473	185	34.6	223	461	
16	7	12	12	4.8	121	556	14.8	476	190	24.8	481	162	34.8	244	450	
-15	-	8	+	14	+5.0	-103	+561	+15.0	+466	-212	+25.0	-489	-139	+35.0	+266	+438
14	10	16	16	5.2	84	565	15.2	454	234	25.2	495	115	35.2	286	425	
13	12	18	18	5.4	65	569	15.4	441	256	25.4	500	91	35.4	306	410	
12	15	21	21	5.6	45	572	15.6	428	277	25.6	504	67	35.6	325	395	
11	19	25	25	5.8	24	573	15.8	413	297	25.8	507	43	35.8	344	379	
-10.0	-	23	+	30	+6.0	-4	+574	+16.0	+398	-316	+26.0	-509	-19	+36.0	+362	+362
9.5	26	33	33	6.2	+17	574	16.2	381	335	26.2	509	+6	36.2	378	344	
9.0	29	37	37	6.4	39	572	16.4	364	353	26.4	508	30	36.4	395	326	
8.5	33	40	40	6.6	60	570	16.6	346	370	26.6	506	55	36.6	410	307	
8.0	38	45	45	6.8	82	567	16.8	327	386	26.8	503	79	36.8	424	287	
-7.5	-	43	+	49	+7.0	+104	+562	+17.0	+307	-401	+27.0	-499	+103	+37.0	+437	+266
7.0	48	55	55	7.2	126	557	17.2	287	416	27.2	494	127	37.2	449	245	
6.5	55	61	61	7.4	147	550	17.4	266	429	27.4	487	150	37.4	460	223	
6.0	63	68	68	7.6	169	543	17.6	244	441	27.6	480	174	37.6	471	201	
5.5	72	76	76	7.8	191	534	17.8	222	453	27.8	471	197	37.8	480	178	
-5.0	-	82	+	85	+8.0	+212	+524	+18.0	+200	-463	+28.0	-461	+219	+38.0	+488	+155
4.5	94	96	96	8.2	233	514	18.2	177	472	28.2	450	241	38.2	494	131	
4.0	108	108	108	8.4	254	502	18.4	154	480	28.4	438	262	38.4	500	107	
3.5	123	122	122	8.6	274	489	18.6	130	486	28.6	426	283	38.6	504	83	
3.0	140	137	137	8.8	294	475	18.8	106	492	28.8	412	303	38.8	508	59	
-2.5	-	159	+	155	+9.0	+313	+461	+19.0	+82	-497	+29.0	-397	+322	+39.0	+510	+34
2.0	178	175	175	9.2	332	445	19.2	57	500	29.2	381	341	39.2	511	+10	
1.5	199	198	198	9.4	350	429	19.4	33	502	29.4	364	359	39.4	511	-15	
1.0	219	223	223	9.6	367	412	19.6	+8	503	29.6	347	376	39.6	509	39	
-0.5	-	238	+	251	+9.8	384	394	19.8	-17	503	29.8	329	392	39.8	507	64
0.0	-255	+280	+10.0	+400	+375	+20.0	-41	-501	+30.0	-310	+408	+40.0	+503	-88		

$$\bar{\omega} = 0.24$$

$$4\pi W_e \times 10^4$$

n = 8			n = 8			n = 10			n = 10			n = 12		
t	R	I	t	R	I	t	R	I	t	R	I	t	R	I
-40	0	+ 1	+10.0	+160	+156	-40	0	+ 1	+10.0	+74	+77	-40	0	+ 1
39	0	1	10.5	173	136	39	0	1	10.5	79	68	38	- 1	1
38	0	1	11.0	184	115	38	0	1	11.0	83	58	36	1	1
37	0	1	11.5	193	92	37	- 1	1	11.5	87	48	34	1	1
36	- 1	1	12.0	199	69	36	1	1	12.0	89	37	32	1	2
-35	- 1	+ 1	+12.5	+203	+ 45	-35	- 1	+ 2	+12.5	+90	+26	-30	- 1	+ 2
34	1	2	13.0	203	+ 20	34	1	2	13.0	90	16	28	1	2
33	1	2	13.5	202	- 4	33	1	2	13.5	89	+ 5	26	1	3
32	1	2	14.0	197	28	32	1	2	14.0	87	- 6	24	1	4
31	1	2	14.5	190	52	31	1	2	14.5	84	16	22	2	5
-30	- 1	+ 2	+15.0	+181	- 74	-30	- 1	+ 2	+15.0	+80	-26	-20	- 2	+ 6
29	1	3	15.5	168	95	29	1	2	15.5	74	35	18	3	7
28	1	3	16.0	154	114	28	1	3	16.0	68	44	16	4	8
27	2	3	16.5	138	132	27	1	3	16.5	61	52	14	5	10
26	2	4	17.0	119	147	26	1	3	17.0	53	58	12	7	13
-25	- 2	+ 4	+17.5	+ 99	-160	-25	- 2	+ 4	+17.5	+44	-64	-10	- 9	+17
24	2	4	18.0	78	171	24	2	4	18.0	35	69	8	11	22
23	3	5	18.5	56	179	23	2	5	18.5	25	73	6	14	28
22	3	5	19.0	33	184	22	2	5	19.0	16	75	4	18	36
21	3	6	19.5	+ 9	187	21	2	5	19.5	+ 6	77	- 2	20	45
-20	- 3	+ 7	+20.0	- 14	-187	-20	- 3	+ 6	+20.0	- 5	-77	0	-19	+55
19	4	7	20.5	37	184	19	3	7	20.5	14	76	+ 1	17	59
18	4	8	21.0	60	178	18	3	7	21.0	24	73	2	14	62
17	5	9	21.5	81	169	17	4	8	21.5	34	70	3	9	65
16	5	11	22.0	102	158	16	5	9	22.0	42	65	4	- 4	67
-15	- 7	+ 12	+22.5	-121	-145	-15	- 6	+ 11	+22.5	-51	-59	+ 5	+ 3	+67
14	8	14	23.0	138	129	14	7	12	23.0	58	53	6	10	66
13	10	16	23.5	153	112	13	8	14	23.5	64	45	7	17	63
12	12	19	24.0	166	92	12	9	16	24.0	70	37	8	24	58
11	14	22	24.5	177	72	11	11	18	24.5	74	28	9	31	51
-10	- 17	+ 25	+25.0	-185	- 50	-10	- 13	+ 21	+25.0	-78	-19	+10	+37	+43
9	21	30	25.5	190	28	9	15	24	25.5	80	-10	11	41	33
8	26	35	26.0	192	- 5	8	17	28	26.0	81	0	12	43	23
7	32	42	26.5	192	+ 18	7	20	33	26.5	81	+10	13	44	12
6	39	51	27.0	189	41	6	24	38	27.0	80	19	14	42	+ 2
- 5	- 48	+ 62	+27.5	-183	+ 64	- 5	- 28	+ 44	+27.5	-78	+29	+15	+38	- 8
4	58	74	28.0	175	85	4	32	51	28.0	74	38	16	33	17
3	69	90	28.5	163	105	3	36	59	28.5	69	46	17	26	24
2	80	108	29.0	150	124	2	39	68	29.0	64	54	18	17	29
- 1	90	128	29.5	134	141	- 1	41	78	29.5	57	61	19	+ 8	32
0.0	- 97	+151	+30.0	-117	+156	0.0	-42	+ 88	+30.0	-49	+68	+20	- 1	-32
+ 0.5	98	162	30.5	98	169	+ 0.5	41	93	30.5	41	73	21	10	31
1.0	98	174	31.0	77	180	1.0	39	98	31.0	33	78	22	19	28
1.5	96	186	31.5	55	188	1.5	37	102	31.5	23	81	23	26	22
2.0	92	197	32.0	33	193	2.0	34	107	32.0	14	83	24	32	15
+ 2.5	- 85	+208	+32.5	- 10	+196	+ 2.5	-31	+111	+32.5	- 4	+84	+25	-35	- 8
3.0	77	217	33.0	+ 14	195	3.0	27	114	33.0	+ 6	84	26	37	+ 1
3.5	66	226	33.5	37	192	3.5	21	117	33.5	16	83	27	36	10
4.0	53	233	34.0	59	187	4.0	16	119	34.0	25	80	28	34	19
4.5	39	239	34.5	81	178	4.5	9	120	34.5	35	77	29	29	26
+ 5.0	- 22	+242	+35.0	+101	+167	+ 5.0	- 2	+121	+35.0	+44	+72	+30	-22	+33
5.5	- 5	244	35.5	120	154	5.5	+ 5	121	35.5	52	66	31	15	37
6.0	+ 14	243	36.0	138	138	6.0	13	120	36.0	59	60	32	- 6	39
6.5	33	240	36.5	153	121	6.5	21	118	36.5	66	52	33	+ 3	40
7.0	53	235	37.0	166	101	7.0	29	115	37.0	71	44	34	12	38
+ 7.5	+ 73	+227	+37.5	+177	+ 81	+ 7.5	+38	+111	+37.5	+76	+35	+35	+20	+34
8.0	92	217	38.0	185	59	8.0	46	106	38.0	79	26	36	27	28
8.5	111	205	38.5	191	37	8.5	53	100	38.5	81	16	37	33	21
9.0	129	191	39.0	194	+ 14	9.0	61	93	39.0	83	+ 7	38	37	13
9.5	145	174	39.5	194	- 10	9.5	68	85	39.5	83	- 3	39	38	+ 4
+10.0	+160	+156	+40.0	+191	- 33	+10.0	+74	+ 77	+40.0	+82	-13	+40	+38	- 6

$$\bar{\omega} = 0.24$$

$$4\pi W_e \times 10^4$$

$n = 14$			$n = 16$		$n = 18$		$n = 20$		$n = 22$			$n = 24$	
t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}	t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-40	0	+1	0	+1	0	+1	0	+1	-40	0	+1	0	+1
38	0	1	0	1	0	1	0	1	35	0	1	0	1
36	0	1	0	1	0	1	0	1	30	0	1	0	2
34	0	2	-1	1	0	1	0	2					
32	-1	2	1	2	0	1	0	2	-25	-1	+2	-1	+2
									20	1	3	1	2
-30	-1	+2	-1	+2	0	+2	0	+2	15	1	4	1	3
28	1	2	1	2	-1	2	-1	2	10	2	6	1	5
26	1	3	1	3	1	2	1	2	-5	2	8	1	6
24	1	3	1	3	1	3	1	3					
22	2	4	1	4	1	3	1	3	0	-1	+9	-1	+7
									+5	+1	9	+1	7
-20	-2	+5	-2	+4	-1	+4	-1	+3	10	3	7	2	5
18	2	6	2	5	2	5	1	4	15	2	4	2	3
16	3	7	2	6	2	5	1	4	20	+1	2	+1	2
14	4	9	3	7	2	6	1	5					
12	5	11	4	9	3	8	2	6	+25	-1	+2	0	+2
									30	0	3	0	2
-10	-6	+14	-5	+11	-3	+9	-2	+7	35	+1	2	+1	2
8	8	17	5	13	3	10	2	8	+40	+1	+1	+1	+1
6	9	21	6	16	4	12	2	9					
4	11	26	6	19	4	14	2	10					
-2	10	31	6	21	3	15	2	11					
0	-9	+35	-5	+24	-2	+17	-1	+12					
+2	-6	39	-2	25	-1	18	0	12					
4	0	41	+1	26	+1	17	+1	12					
6	+7	39	4	25	3	16	2	12					
8	14	34	8	22	5	15	3	10					
+10	+20	+26	+11	+17	+6	+12	+4	+9					
12	23	16	12	11	7	9	4	7	-40	0	+1	0	+1
14	22	+5	12	+5	7	5	4	5	35	0	1	0	1
16	17	-5	9	0	6	+2	3	3	30	0	1	0	1
18	+9	11	5	-3	4	0	2	2	-25	0	+2	0	+2
									20	-1	2	0	2
+20	0	-13	+1	-5	+1	-1	+1	+1	15	1	3	0	3
22	-9	12	-4	4	-1	-1	0	1	10	1	4	0	3
24	16	-6	7	-2	3	+1	-1	1	-5	-1	5	0	4
26	18	+2	9	+2	4	2	2	2					
28	16	10	8	6	4	4	2	3	0	0	+5	0	+4
									+5	0	5	0	4
+30	-10	+16	-5	+9	-3	+5	-1	+4	10	+1	4	+1	3
32	-3	20	-1	11	0	6	0	4	15	1	3	+1	2
34	+6	19	+3	10	+2	5	+1	3	20	+1	2	0	2
36	13	14	7	8	4	4	2	3					
38	18	+7	9	+4	5	+2	3	+2	+25	0	+2	0	+2
									30	0	1	0	1
+40	+18	-2	+9	-1	+5	0	+3	0	35	0	1	0	1
									+40	+1	+1	0	+1

$n = 26$ $n = 28$

t	\mathcal{R}	\mathcal{I}	\mathcal{R}	\mathcal{I}
-40	0	+1	0	+1
35	0	1	0	1
30	0	1	0	1
-25	0	+2	0	+2
20	-1	2	0	2
15	1	3	0	3
10	1	4	0	3
-5	-1	5	0	4
0	0	+5	0	+4
+5	0	5	0	4
10	+1	4	+1	3
15	1	3	+1	2
20	+1	2	0	2
+25	0	+2	0	+2
30	0	1	0	1
35	0	1	0	1
+40	+1	+1	0	+1

$n = 30$ $n = 32$ $n = 34$ $n = 36$ $n = 38$ $n = 40$

t	\mathcal{I}	\mathcal{I}	\mathcal{I}	\mathcal{I}	\mathcal{I}	\mathcal{I}
-40	+1	+1	+1	+1	+1	+1
30	1	1	1	1	1	1
20	2	1	1	1	1	1
-10	3	2	2	1	1	1
0	+4	+3	+2	+2	+2	+1
+10	3	2	2	1	1	1
20	2	1	1	1	1	1
30	1	1	1	1	1	1
+40	+1	+1	+1	+1	+1	+1

$4\pi W_e \times 10^4$ is zero for $n = 30$ to 40 .

