



MECH-113A

KINKING OF A CRACK OUT OF AN INTERFACE:  
TABULATED SOLUTION COEFFICIENTS

Ming-Yuan He and John W. Hutchinson

(A limited circulation Appendix to the paper "Kinking of a Crack Out of an Interface" to be published in the Journal of Applied Mechanics in 1989, and issued originally as Harvard University Report MECH-113, February 1988)

**SIGN CORRECTIONS:** There were errors in the signs of the second and forth coefficients in the columns on the right hand side of the original tables for  $c_i$  &  $d_i$ . These errors have been corrected. We are indebted to the authors of the following publication for calling this to our attention. Noijen, S. P. M., van der Sluis, O., Timmermans, P. H. M., *Eng. Fract. Mech.* 83, 8–25, 2012.

Division of Applied Sciences  
HARVARD UNIVERSITY  
Cambridge, Massachusetts 02138  
February 1989

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TABULATED SOLUTION COEFFICIENTS

Ming-Yuan He\*  
Institute of Mechanics  
Chinese Academy of Sciences  
Beijing, China

John W. Hutchinson  
Division of Applied Sciences  
Harvard University  
Cambridge, MA 02138

The analysis and discussion of the title problem was given in the companion paper by He and Hutchinson (1989). In this Appendix the numerical results will be tabulated. The geometry analyzed is shown in Fig. 1 of the companion paper. The semi-infinite interface crack lies on the interface between two semi-infinite blocks of isotropic elastic solids with differing elastic moduli. A straight crack segment of length  $a$  and angle  $\omega$  (positive clockwise) kinks downward into material 2. The relationship between the intensity factors of the kinked crack  $K_I + iK_{II}$  and the prescribed complex interface intensity factor  $K = K_1 + iK_2$  specifying the remote field is

$$K_I + iK_{II} = c(\omega, \alpha, \beta)Ka^{i\omega} + \bar{d}(\omega, \alpha, \beta)\bar{K}a^{-i\omega} \quad (1)$$

where  $(\bar{\cdot})$  denotes complex conjugation and  $c = c_r + ic_i$  and  $d = d_r + id_i$  are complex-valued functions of  $\omega, \alpha, \beta$ . In the above,  $\alpha$  and  $\beta$  are the two non-dimensional material moduli parameters introduced by Dundurs which in plane strain are

$$\alpha = [G_1(1-v_2) - G_2(1-v_1)]/[G_1(1-v_2) + G_2(1-v_1)] \quad (2)$$

$$\beta = \frac{1}{2} [G_1(1-2v_2) - G_2(1-2v_1)]/[G_1(1-v_2) + G_2(1-v_1)] \quad (3)$$

where  $G$  and  $v$  are the shear modulus and Poisson's ratio and the subscript identifies the material as indicated in Fig. 1 of the companion paper.

Reference:

He, M.-Y. and Hutchinson, J. W. (1989) "Kinking of a Crack Out of an Interface", to be published in the Journal of Applied Mechanics. Originally issued as Harvard University Report MECH-113, February 1988.

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\* Visiting Scholar, Harvard University, August 1987-August 1988

## CONTENTS

PARAMETERS	PAGE	
$\alpha = 0$	$\beta = 0$	2
$\alpha = 0.25$	$\beta = 0$	6
$\alpha = 0.5$	$\beta = 0$	10
$\alpha = 0.75$	$\beta = 0$	14
$\alpha = -0.25$	$\beta = 0$	6
$\alpha = -0.5$	$\beta = 0$	10
$\alpha = -0.6$	$\beta = 0$	18
$\alpha = -0.65$	$\beta = 0$	18
$\alpha = -0.67$	$\beta = 0$	22
$\alpha = -0.70$	$\beta = 0$	22
$\alpha = -0.75$	$\beta = 0$	14
$\alpha = 0$	$\beta = 0.25$	26
$\alpha = 0$	$\beta = -0.25$	26
$\alpha = 0.5$	$\beta = 0.375$	30
$\alpha = 0.5$	$\beta = 0.25$	34
$\alpha = 0.5$	$\beta = -0.125$	38
$\alpha = -0.5$	$\beta = -0.375$	30
$\alpha = -0.5$	$\beta = -0.25$	34
$\alpha = -0.5$	$\beta = 0.125$	38
$\alpha = 0.75$	$\beta = 0.438$	42
$\alpha = 0.75$	$\beta = 0.25$	46
$\alpha = 0.75$	$\beta = -0.063$	50
$\alpha = -0.75$	$\beta = -0.438$	42
$\alpha = -0.75$	$\beta = -0.25$	46
$\alpha = -0.75$	$\beta = 0.063$	50
$\alpha = 0.80$	$\beta = 0.45$	2

$\alpha = 0, \beta = 0$					$\alpha = 0.800, \beta = 0.450$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.994	-0.104	0.002	-0.052	0.64	0.281	-0.018	-0.02	6
7	0.991	-0.122	0.003	-0.061	0.655	0.255	-0.021	-0.024	7
8	0.989	-0.139	0.004	-0.069	0.668	0.23	-0.023	-0.028	8
9	0.986	-0.156	0.005	-0.078	0.679	0.205	-0.024	-0.032	9
10	0.982	-0.173	0.006	-0.087	0.688	0.182	-0.026	-0.036	10
11	0.979	-0.19	0.007	-0.095	0.697	0.159	-0.028	-0.04	11
12	0.975	-0.207	0.009	-0.104	0.704	0.137	-0.029	-0.045	12
13	0.97	-0.224	0.01	-0.112	0.711	0.115	-0.03	-0.049	13
14	0.966	-0.24	0.012	-0.12	0.716	0.093	-0.032	-0.053	14
15	0.961	-0.257	0.014	-0.129	0.721	0.072	-0.033	-0.058	15
16	0.955	-0.273	0.016	-0.137	0.724	0.051	-0.034	-0.062	16
17	0.95	-0.289	0.018	-0.145	0.727	0.031	-0.034	-0.067	17
18	0.944	-0.306	0.02	-0.153	0.73	0.011	-0.035	-0.072	18
19	0.937	-0.321	0.022	-0.161	0.731	-0.009	-0.036	-0.076	19
20	0.931	-0.337	0.024	-0.169	0.732	-0.029	-0.036	-0.081	20
21	0.924	-0.353	0.027	-0.177	0.733	-0.048	-0.036	-0.085	21
22	0.917	-0.368	0.029	-0.185	0.733	-0.067	-0.037	-0.09	22
23	0.909	-0.384	0.032	-0.193	0.732	-0.086	-0.037	-0.095	23
24	0.901	-0.399	0.035	-0.201	0.73	-0.104	-0.037	-0.1	24
25	0.893	-0.414	0.037	-0.208	0.729	-0.123	-0.037	-0.104	25
26	0.885	-0.428	0.04	-0.216	0.726	-0.141	-0.037	-0.109	26
27	0.876	-0.443	0.043	-0.223	0.723	-0.158	-0.037	-0.114	27
28	0.867	-0.457	0.046	-0.23	0.72	-0.176	-0.036	-0.118	28
29	0.858	-0.471	0.05	-0.238	0.716	-0.193	-0.036	-0.123	29
30	0.849	-0.485	0.053	-0.245	0.712	-0.21	-0.035	-0.128	30
31	0.839	-0.498	0.056	-0.252	0.708	-0.227	-0.035	-0.133	31
32	0.829	-0.511	0.06	-0.258	0.702	-0.243	-0.034	-0.137	32
33	0.819	-0.525	0.063	-0.265	0.697	-0.259	-0.033	-0.142	33
34	0.809	-0.537	0.067	-0.272	0.691	-0.275	-0.032	-0.147	34
35	0.798	-0.55	0.07	-0.278	0.685	-0.29	-0.031	-0.151	35
36	0.787	-0.562	0.074	-0.285	0.678	-0.306	-0.03	-0.156	36
37	0.776	-0.574	0.078	-0.291	0.671	-0.321	-0.029	-0.16	37
38	0.765	-0.586	0.082	-0.297	0.664	-0.335	-0.028	-0.165	38
39	0.754	-0.597	0.086	-0.304	0.656	-0.349	-0.027	-0.169	39
40	0.742	-0.608	0.09	-0.309	0.648	-0.363	-0.025	-0.174	40

$\alpha = 0, \beta = 0$					$\alpha = 0.800, \beta = 0.450$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.73	-0.619	0.094	-0.315	0.64	-0.377	-0.024	-0.178	41
42	0.718	-0.63	0.098	-0.321	0.631	-0.391	-0.022	-0.183	42
43	0.706	-0.64	0.102	-0.326	0.623	-0.404	-0.021	-0.187	43
44	0.694	-0.65	0.106	-0.332	0.613	-0.416	-0.019	-0.192	44
45	0.681	-0.66	0.11	-0.337	0.604	-0.429	-0.017	-0.196	45
46	0.668	-0.669	0.114	-0.342	0.594	-0.441	-0.015	-0.2	46
47	0.656	-0.678	0.119	-0.347	0.584	-0.452	-0.013	-0.204	47
48	0.643	-0.687	0.123	-0.352	0.574	-0.464	-0.011	-0.208	48
49	0.63	-0.695	0.127	-0.357	0.564	-0.475	-0.009	-0.213	49
50	0.617	-0.703	0.132	-0.361	0.553	-0.485	-0.007	-0.217	50
51	0.603	-0.711	0.136	-0.366	0.543	-0.496	-0.005	-0.22	51
52	0.59	-0.719	0.14	-0.37	0.532	-0.506	-0.003	-0.224	52
53	0.577	-0.726	0.145	-0.374	0.521	-0.515	0	-0.228	53
54	0.563	-0.733	0.149	-0.378	0.509	-0.525	0.002	-0.232	54
55	0.55	-0.739	0.154	-0.382	0.498	-0.534	0.005	-0.236	55
56	0.536	-0.745	0.158	-0.385	0.486	-0.542	0.007	-0.239	56
57	0.522	-0.751	0.162	-0.389	0.475	-0.55	0.01	-0.243	57
58	0.508	-0.757	0.167	-0.392	0.463	-0.558	0.012	-0.247	58
59	0.495	-0.762	0.171	-0.395	0.451	-0.566	0.015	-0.25	59
60	0.481	-0.767	0.176	-0.399	0.439	-0.573	0.017	-0.253	60
61	0.467	-0.771	0.18	-0.402	0.427	-0.58	0.02	-0.256	61
62	0.453	-0.776	0.184	-0.404	0.414	-0.586	0.023	-0.26	62
63	0.439	-0.779	0.189	-0.407	0.402	-0.592	0.026	-0.263	63
64	0.425	-0.783	0.193	-0.409	0.39	-0.598	0.029	-0.266	64
65	0.412	-0.786	0.197	-0.412	0.377	-0.603	0.032	-0.269	65
66	0.398	-0.789	0.202	-0.414	0.365	-0.608	0.035	-0.271	66
67	0.384	-0.792	0.206	-0.416	0.352	-0.613	0.038	-0.274	67
68	0.37	-0.794	0.21	-0.418	0.34	-0.617	0.04	-0.277	68
69	0.356	-0.796	0.214	-0.419	0.327	-0.621	0.043	-0.279	69
70	0.343	-0.798	0.218	-0.421	0.315	-0.625	0.047	-0.282	70
71	0.329	-0.799	0.222	-0.422	0.302	-0.628	0.05	-0.284	71
72	0.315	-0.8	0.226	-0.424	0.29	-0.631	0.053	-0.287	72
73	0.302	-0.801	0.23	-0.425	0.277	-0.634	0.056	-0.289	73
74	0.288	-0.801	0.234	-0.426	0.265	-0.636	0.059	-0.291	74
75	0.275	-0.801	0.238	-0.426	0.253	-0.638	0.062	-0.293	75

$\alpha = 0, \beta = 0$					$\alpha = 0.800, \beta = 0.450$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.261	-0.801	0.242	-0.427	0.24	-0.64	0.065	-0.295	76
77	0.248	-0.8	0.245	-0.427	0.228	-0.641	0.068	-0.297	77
78	0.235	-0.8	0.249	-0.428	0.216	-0.642	0.071	-0.298	78
79	0.222	-0.798	0.253	-0.428	0.204	-0.643	0.075	-0.3	79
80	0.209	-0.797	0.256	-0.428	0.191	-0.644	0.078	-0.302	80
81	0.196	-0.795	0.26	-0.428	0.179	-0.644	0.081	-0.303	81
82	0.184	-0.793	0.263	-0.428	0.168	-0.643	0.084	-0.304	82
83	0.171	-0.791	0.266	-0.428	0.156	-0.643	0.087	-0.305	83
84	0.159	-0.789	0.269	-0.427	0.144	-0.642	0.09	-0.307	84
85	0.147	-0.786	0.272	-0.427	0.133	-0.641	0.093	-0.308	85
86	0.134	-0.783	0.275	-0.426	0.121	-0.64	0.096	-0.308	86
87	0.122	-0.779	0.278	-0.425	0.11	-0.638	0.099	-0.309	87
88	0.111	-0.776	0.281	-0.424	0.099	-0.636	0.103	-0.31	88
89	0.099	-0.772	0.284	-0.423	0.088	-0.634	0.106	-0.311	89
90	0.087	-0.768	0.287	-0.421	0.077	-0.631	0.109	-0.311	90
91	0.076	-0.763	0.289	-0.42	0.066	-0.629	0.112	-0.312	91
92	0.065	-0.759	0.292	-0.419	0.055	-0.626	0.114	-0.312	92
93	0.054	-0.754	0.294	-0.417	0.045	-0.622	0.117	-0.312	93
94	0.043	-0.749	0.296	-0.415	0.035	-0.619	0.12	-0.312	94
95	0.033	-0.744	0.298	-0.413	0.025	-0.615	0.123	-0.312	95
96	0.022	-0.738	0.3	-0.411	0.015	-0.611	0.126	-0.312	96
97	0.012	-0.733	0.302	-0.409	0.005	-0.607	0.129	-0.312	97
98	0.002	-0.727	0.304	-0.407	-0.004	-0.603	0.131	-0.312	98
99	-0.007	-0.721	0.305	-0.405	-0.014	-0.598	0.134	-0.311	99
100	-0.017	-0.714	0.307	-0.402	-0.023	-0.593	0.137	-0.311	100
101	-0.026	-0.708	0.308	-0.4	-0.032	-0.588	0.139	-0.31	101
102	-0.035	-0.701	0.31	-0.397	-0.04	-0.583	0.142	-0.309	102
103	-0.044	-0.694	0.311	-0.394	-0.049	-0.578	0.144	-0.309	103
104	-0.053	-0.687	0.312	-0.392	-0.057	-0.572	0.146	-0.308	104
105	-0.062	-0.68	0.313	-0.389	-0.065	-0.567	0.149	-0.307	105
106	-0.07	-0.672	0.314	-0.386	-0.073	-0.561	0.151	-0.306	106
107	-0.078	-0.665	0.314	-0.383	-0.081	-0.555	0.153	-0.304	107
108	-0.085	-0.657	0.315	-0.379	-0.088	-0.549	0.155	-0.303	108
109	-0.093	-0.649	0.315	-0.376	-0.095	-0.542	0.157	-0.302	109
110	-0.1	-0.641	0.316	-0.373	-0.102	-0.536	0.159	-0.3	110

$\alpha = 0, \beta = 0$					$\alpha = 0.800, \beta = 0.450$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.107	-0.633	0.316	-0.369	-0.109	-0.529	0.161	-0.299	111
112	-0.114	-0.625	0.316	-0.366	-0.115	-0.522	0.163	-0.297	112
113	-0.121	-0.617	0.316	-0.362	-0.122	-0.515	0.165	-0.295	113
114	-0.127	-0.608	0.315	-0.358	-0.128	-0.508	0.166	-0.293	114
115	-0.133	-0.6	0.315	-0.355	-0.133	-0.501	0.168	-0.292	115
116	-0.139	-0.591	0.315	-0.351	-0.139	-0.494	0.169	-0.29	116
117	-0.145	-0.582	0.314	-0.347	-0.144	-0.487	0.171	-0.287	117
118	-0.15	-0.573	0.313	-0.343	-0.149	-0.479	0.172	-0.285	118
119	-0.155	-0.564	0.312	-0.339	-0.154	-0.472	0.173	-0.283	119
120	-0.16	-0.555	0.311	-0.335	-0.159	-0.464	0.174	-0.281	120
121	-0.165	-0.546	0.31	-0.331	-0.163	-0.456	0.175	-0.278	121
122	-0.169	-0.537	0.309	-0.326	-0.167	-0.449	0.176	-0.276	122
123	-0.173	-0.528	0.308	-0.322	-0.171	-0.441	0.177	-0.273	123
124	-0.177	-0.518	0.306	-0.318	-0.174	-0.433	0.178	-0.271	124
125	-0.181	-0.509	0.304	-0.313	-0.178	-0.425	0.178	-0.268	125
126	-0.184	-0.5	0.303	-0.309	-0.181	-0.417	0.179	-0.265	126
127	-0.187	-0.49	0.301	-0.304	-0.183	-0.409	0.179	-0.262	127
128	-0.19	-0.481	0.299	-0.3	-0.186	-0.402	0.18	-0.259	128
129	-0.193	-0.471	0.296	-0.295	-0.188	-0.394	0.18	-0.256	129
130	-0.195	-0.461	0.294	-0.291	-0.19	-0.386	0.18	-0.253	130
131	-0.197	-0.452	0.292	-0.286	-0.192	-0.378	0.18	-0.25	131
132	-0.199	-0.442	0.289	-0.281	-0.194	-0.37	0.179	-0.247	132
133	-0.201	-0.433	0.286	-0.276	-0.195	-0.362	0.179	-0.244	133
134	-0.203	-0.423	0.283	-0.272	-0.196	-0.354	0.178	-0.24	134
135	-0.204	-0.414	0.28	-0.267	-0.197	-0.347	0.177	-0.237	135

$\alpha = 0.25, \beta = 0$					$\alpha = -0.25, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.908	-0.064	-0.012	-0.047	1.111	-0.163	0.029	-0.057	6
7	0.908	-0.08	-0.013	-0.055	1.105	-0.183	0.032	-0.067	7
8	0.908	-0.095	-0.014	-0.063	1.098	-0.202	0.035	-0.076	8
9	0.908	-0.111	-0.014	-0.071	1.092	-0.221	0.038	-0.085	9
10	0.906	-0.127	-0.014	-0.079	1.085	-0.24	0.041	-0.094	10
11	0.905	-0.143	-0.014	-0.087	1.078	-0.258	0.045	-0.104	11
12	0.903	-0.159	-0.014	-0.095	1.07	-0.276	0.048	-0.113	12
13	0.901	-0.174	-0.014	-0.103	1.063	-0.294	0.051	-0.122	13
14	0.898	-0.19	-0.013	-0.111	1.055	-0.312	0.054	-0.131	14
15	0.895	-0.206	-0.012	-0.118	1.047	-0.33	0.057	-0.14	15
16	0.892	-0.221	-0.011	-0.126	1.039	-0.347	0.06	-0.148	16
17	0.888	-0.237	-0.01	-0.134	1.03	-0.364	0.063	-0.157	17
18	0.884	-0.252	-0.009	-0.142	1.022	-0.381	0.066	-0.166	18
19	0.88	-0.267	-0.007	-0.15	1.013	-0.398	0.069	-0.174	19
20	0.875	-0.283	-0.006	-0.157	1.003	-0.414	0.072	-0.183	20
21	0.87	-0.298	-0.004	-0.165	0.994	-0.43	0.076	-0.191	21
22	0.865	-0.313	-0.002	-0.172	0.984	-0.446	0.079	-0.199	22
23	0.859	-0.327	0	-0.18	0.974	-0.462	0.082	-0.207	23
24	0.853	-0.342	0.002	-0.187	0.964	-0.477	0.086	-0.215	24
25	0.847	-0.357	0.004	-0.194	0.953	-0.493	0.089	-0.223	25
26	0.84	-0.371	0.007	-0.202	0.943	-0.508	0.093	-0.231	26
27	0.833	-0.385	0.009	-0.209	0.932	-0.522	0.096	-0.239	27
28	0.826	-0.399	0.012	-0.216	0.92	-0.537	0.1	-0.246	28
29	0.818	-0.413	0.014	-0.223	0.909	-0.551	0.103	-0.254	29
30	0.81	-0.426	0.017	-0.23	0.897	-0.565	0.107	-0.261	30
31	0.802	-0.44	0.02	-0.237	0.886	-0.578	0.111	-0.268	31
32	0.794	-0.453	0.023	-0.243	0.874	-0.591	0.114	-0.275	32
33	0.785	-0.466	0.026	-0.25	0.861	-0.604	0.118	-0.282	33
34	0.777	-0.479	0.03	-0.257	0.849	-0.617	0.122	-0.289	34
35	0.767	-0.491	0.033	-0.263	0.836	-0.629	0.126	-0.296	35
36	0.758	-0.504	0.037	-0.269	0.823	-0.641	0.13	-0.303	36
37	0.748	-0.516	0.04	-0.275	0.81	-0.653	0.133	-0.309	37
38	0.739	-0.527	0.044	-0.282	0.797	-0.664	0.137	-0.315	38
39	0.728	-0.539	0.047	-0.288	0.784	-0.676	0.141	-0.321	39
40	0.718	-0.55	0.051	-0.293	0.771	-0.686	0.145	-0.327	40

$\alpha = 0.25, \beta = 0$					$\alpha = -0.25, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.708	-0.561	0.055	-0.299	0.757	-0.697	0.149	-0.333	41
42	0.697	-0.572	0.059	-0.305	0.743	-0.707	0.153	-0.339	42
43	0.686	-0.583	0.063	-0.31	0.729	-0.717	0.157	-0.345	43
44	0.675	-0.593	0.067	-0.316	0.715	-0.726	0.161	-0.35	44
45	0.664	-0.603	0.071	-0.321	0.701	-0.735	0.165	-0.355	43
46	0.652	-0.613	0.076	-0.326	0.687	-0.744	0.17	-0.361	46
47	0.641	-0.622	0.08	-0.331	0.673	-0.752	0.174	-0.366	47
48	0.629	-0.631	0.084	-0.336	0.659	-0.76	0.178	-0.37	48
49	0.617	-0.64	0.088	-0.34	0.644	-0.768	0.182	-0.375	49
50	0.605	-0.648	0.093	-0.345	0.63	-0.776	0.186	-0.38	50
51	0.593	-0.657	0.097	-0.35	0.615	-0.783	0.19	-0.384	51
52	0.581	-0.665	0.102	-0.354	0.6	-0.789	0.194	-0.388	52
53	0.568	-0.672	0.106	-0.358	0.586	-0.796	0.198	-0.392	53
54	0.556	-0.68	0.111	-0.362	0.571	-0.802	0.202	-0.396	54
55	0.543	-0.687	0.115	-0.366	0.556	-0.807	0.206	-0.4	55
56	0.53	-0.693	0.12	-0.37	0.541	-0.813	0.21	-0.404	56
57	0.518	-0.7	0.124	-0.373	0.527	-0.818	0.214	-0.407	57
58	0.505	-0.706	0.129	-0.377	0.512	-0.822	0.218	-0.41	58
59	0.492	-0.712	0.134	-0.38	0.497	-0.827	0.222	-0.413	59
60	0.479	-0.717	0.138	-0.383	0.482	-0.83	0.226	-0.416	60
61	0.466	-0.722	0.143	-0.386	0.467	-0.834	0.23	-0.419	61
62	0.452	-0.727	0.147	-0.389	0.452	-0.837	0.234	-0.422	62
61	0.439	-0.732	0.152	-0.392	0.438	-0.84	0.238	-0.424	63
64	0.426	-0.736	0.157	-0.394	0.423	-0.843	0.241	-0.426	64
65	0.413	-0.74	0.161	-0.397	0.408	-0.845	0.245	-0.429	65
66	0.4	-0.743	0.166	-0.399	0.394	-0.847	0.249	-0.431	66
67	0.387	-0.747	0.17	-0.401	0.379	-0.849	0.253	-0.433	67
68	0.373	-0.75	0.175	-0.403	0.365	-0.85	0.256	-0.434	68
69	0.36	-0.752	0.179	-0.405	0.35	-0.851	0.26	-0.436	69
70	0.347	-0.755	0.184	-0.407	0.336	-0.851	0.263	-0.437	70
71	0.334	-0.757	0.188	-0.408	0.321	-0.852	0.267	-0.438	71
72	0.321	-0.759	0.192	-0.41	0.307	-0.852	0.27	-0.439	72
73	0.308	-0.76	0.197	-0.411	0.293	-0.851	0.273	-0.44	73
74	0.295	-0.761	0.201	-0.412	0.279	-0.851	0.277	-0.441	74
75	0.282	-0.762	0.205	-0.413	0.265	-0.85	0.28	-0.442	75

$\alpha = 0.25, \beta = 0$					$\alpha = -0.25, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.269	-0.762	0.21	-0.414	0.252	-0.848	0.283	-0.442	76
77	0.256	-0.763	0.214	-0.414	0.238	-0.847	0.286	-0.442	77
78	0.243	-0.763	0.218	-0.415	0.224	-0.845	0.289	-0.443	78
79	0.23	-0.762	0.222	-0.415	0.211	-0.843	0.292	-0.443	79
80	0.218	-0.761	0.226	-0.416	0.198	-0.84	0.295	-0.442	80
81	0.205	-0.76	0.23	-0.416	0.185	-0.838	0.297	-0.442	81
82	0.193	-0.759	0.233	-0.416	0.172	-0.835	0.3	-0.442	82
83	0.181	-0.758	0.237	-0.415	0.159	-0.831	0.303	-0.441	83
84	0.168	-0.756	0.241	-0.415	0.146	-0.828	0.305	-0.441	84
85	0.156	-0.754	0.244	-0.415	0.134	-0.824	0.308	-0.44	85
86	0.144	-0.752	0.248	-0.414	0.122	-0.82	0.31	-0.439	86
87	0.133	-0.749	0.251	-0.414	0.11	-0.816	0.312	-0.438	87
88	0.121	-0.746	0.254	-0.413	0.098	-0.811	0.314	-0.436	88
89	0.109	-0.743	0.258	-0.412	0.086	-0.806	0.316	-0.435	89
90	0.098	-0.74	0.261	-0.411	0.074	-0.801	0.318	-0.434	90
91	0.087	-0.736	0.264	-0.409	0.063	-0.796	0.32	-0.432	91
92	0.076	-0.732	0.267	-0.408	0.052	-0.791	0.322	-0.43	92
93	0.065	-0.728	0.269	-0.407	0.041	-0.785	0.323	-0.428	93
94	0.054	-0.724	0.272	-0.405	0.03	-0.779	0.325	-0.426	94
95	0.044	-0.719	0.275	-0.404	0.02	-0.773	0.326	-0.424	95
96	0.033	-0.714	0.277	-0.402	0.009	-0.766	0.328	-0.422	96
97	0.023	-0.709	0.279	-0.4	-0.001	-0.76	0.329	-0.42	97
98	0.013	-0.704	0.282	-0.398	-0.011	-0.753	0.33	-0.417	98
99	0.003	-0.698	0.284	-0.396	-0.02	-0.746	0.331	-0.415	99
100	-0.006	-0.693	0.286	-0.393	-0.03	-0.739	0.332	-0.412	100
101	-0.016	-0.687	0.288	-0.391	-0.039	-0.732	0.332	-0.409	101
102	-0.025	-0.681	0.29	-0.389	-0.048	-0.724	0.333	-0.407	102
103	-0.034	-0.675	0.291	-0.386	-0.057	-0.717	0.334	-0.404	103
104	-0.043	-0.668	0.293	-0.383	-0.065	-0.709	0.334	-0.401	104
105	-0.051	-0.662	0.294	-0.381	-0.074	-0.701	0.334	-0.397	105
106	-0.06	-0.655	0.296	-0.378	-0.082	-0.693	0.335	-0.394	106
107	-0.068	-0.648	0.297	-0.375	-0.089	-0.684	0.335	-0.391	107
108	-0.076	-0.641	0.298	-0.372	-0.097	-0.676	0.335	-0.387	108
109	-0.083	-0.633	0.299	-0.369	-0.104	-0.668	0.334	-0.384	109
110	-0.091	-0.626	0.299	-0.366	-0.111	-0.659	0.334	-0.38	110

$\alpha = 0.25, \beta = 0$					$\alpha = -0.25, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.098	-0.618	0.3	-0.362	-0.118	-0.65	0.334	-0.377	111
112	-0.105	-0.611	0.301	-0.359	-0.125	-0.641	0.333	-0.373	112
113	-0.112	-0.603	0.301	-0.356	-0.131	-0.632	0.332	-0.369	113
114	-0.118	-0.595	0.301	-0.352	-0.137	-0.623	0.332	-0.365	114
115	-0.124	-0.587	0.301	-0.349	-0.143	-0.614	0.331	-0.361	115
116	-0.13	-0.579	0.301	-0.345	-0.149	-0.605	0.33	-0.357	116
117	-0.136	-0.57	0.301	-0.341	-0.154	-0.595	0.329	-0.353	117
118	-0.142	-0.562	0.301	-0.337	-0.159	-0.586	0.327	-0.349	118
119	-0.147	-0.553	0.3	-0.333	-0.164	-0.576	0.326	-0.345	119
120	-0.152	-0.545	0.3	-0.329	-0.169	-0.567	0.324	-0.34	120
121	-0.157	-0.536	0.299	-0.325	-0.173	-0.557	0.323	-0.336	121
122	-0.161	-0.527	0.298	-0.321	-0.177	-0.547	0.321	-0.332	122
123	-0.166	-0.518	0.297	-0.317	-0.181	-0.538	0.319	-0.327	123
124	-0.17	-0.509	0.296	-0.313	-0.185	-0.528	0.317	-0.323	124
125	-0.174	-0.5	0.295	-0.309	-0.188	-0.518	0.315	-0.318	125
126	-0.177	-0.491	0.293	-0.305	-0.191	-0.508	0.313	-0.314	126
127	-0.181	-0.482	0.292	-0.3	-0.194	-0.498	0.31	-0.309	127
128	-0.184	-0.473	0.29	-0.296	-0.197	-0.488	0.308	-0.304	128
129	-0.187	-0.464	0.288	-0.291	-0.199	-0.479	0.305	-0.299	129
130	-0.189	-0.455	0.286	-0.287	-0.201	-0.469	0.303	-0.295	130
131	-0.192	-0.446	0.284	-0.282	-0.203	-0.459	0.3	-0.29	131
132	-0.194	-0.436	0.282	-0.278	-0.205	-0.449	0.297	-0.285	132
333	-0.196	-0.427	0.279	-0.273	-0.207	-0.439	0.294	-0.28	133
134	-0.198	-0.418	0.276	-0.269	-0.208	-0.429	0.29	-0.275	134
135	-0.199	-0.409	0.274	-0.264	-0.21	-0.419	0.287	-0.27	135

$\alpha = 0.5, \beta = 0$					$\alpha = -0.5, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.842	-0.035	-0.021	-0.042	1.292	-0.258	0.083	-0.058	6
7	0.844	-0.049	-0.023	-0.05	1.278	-0.282	0.091	-0.068	7
8	0.845	-0.064	-0.025	-0.057	1.264	-0.305	0.098	-0.078	8
9	0.846	-0.078	-0.026	-0.065	1.251	-0.327	0.105	-0.089	9
10	0.847	-0.093	-0.027	-0.072	1.238	-0.348	0.111	-0.099	10
11	0.847	-0.108	-0.028	-0.08	1.225	-0.368	0.117	-0.109	11
12	0.847	-0.123	-0.029	-0.087	1.212	-0.388	0.123	-0.119	12
13	0.846	-0.138	-0.029	-0.095	1.199	-0.408	0.128	-0.128	13
14	0.845	-0.153	-0.029	-0.102	1.187	-0.427	0.133	-0.138	14
15	0.843	-0.167	-0.029	-0.109	1.174	-0.446	0.138	-0.148	15
16	0.841	-0.182	-0.029	-0.117	1.161	-0.464	0.143	-0.157	16
17	0.839	-0.197	-0.028	-0.124	1.147	-0.482	0.147	-0.167	17
18	0.836	-0.212	-0.028	-0.132	1.134	-0.5	0.151	-0.176	18
19	0.834	-0.227	-0.027	-0.139	1.121	-0.517	0.156	-0.185	19
20	0.83	-0.241	-0.026	-0.146	1.107	-0.534	0.16	-0.194	20
21	0.826	-0.256	-0.025	-0.154	1.094	-0.551	0.164	-0.203	21
22	0.822	-0.27	-0.024	-0.161	1.08	-0.567	0.168	-0.212	22
23	0.818	-0.284	-0.022	-0.168	1.066	-0.583	0.172	-0.22	23
24	0.813	-0.299	-0.02	-0.175	1.052	-0.599	0.176	-0.229	24
25	0.808	-0.313	-0.019	-0.182	1.037	-0.614	0.18	-0.237	25
26	0.803	-0.327	-0.017	-0.189	1.023	-0.629	0.184	-0.246	26
27	0.797	-0.341	-0.015	-0.196	1.009	-0.644	0.188	-0.254	27
28	0.791	-0.354	-0.013	-0.203	0.994	-0.658	0.192	-0.262	28
29	0.785	-0.368	-0.01	-0.21	0.979	-0.672	0.195	-0.27	29
30	0.779	-0.381	-0.008	-0.217	0.964	-0.686	0.199	-0.278	30
31	0.772	-0.394	-0.005	-0.223	0.949	-0.699	0.203	-0.285	31
32	0.765	-0.407	-0.002	-0.23	0.934	-0.712	0.206	-0.293	32
33	0.757	-0.42	0	-0.236	0.918	-0.724	0.21	-0.3	33
34	0.749	-0.433	0.003	-0.243	0.903	-0.736	0.214	-0.307	34
35	0.741	-0.445	0.006	-0.249	0.887	-0.748	0.217	-0.314	35
36	0.733	-0.458	0.01	-0.255	0.872	-0.759	0.221	-0.321	36
37	0.725	-0.47	0.013	-0.261	0.856	-0.77	0.224	-0.328	37
38	0.716	-0.482	0.016	-0.267	0.84	-0.781	0.228	-0.334	38
39	0.707	-0.493	0.02	-0.273	0.824	-0.791	0.231	-0.341	39
40	0.698	-0.504	0.023	-0.279	0.808	-0.801	0.235	-0.347	40

$\alpha = 0.5, \beta = 0$					$\alpha = -0.5, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.688	-0.516	0.027	-0.285	0.792	-0.81	0.238	-0.353	41
42	0.679	-0.526	0.031	-0.29	0.775	-0.819	0.242	-0.359	42
43	0.669	-0.537	0.035	-0.296	0.759	-0.828	0.245	-0.365	43
44	0.659	-0.548	0.038	-0.301	0.743	-0.836	0.249	-0.37	44
45	0.649	-0.558	0.043	-0.306	0.727	-0.844	0.252	-0.376	45
46	0.638	-0.568	0.047	-0.312	0.71	-0.852	0.255	-0.381	46
47	0.627	-0.577	0.051	-0.317	0.694	-0.859	0.259	-0.386	47
48	0.617	-0.587	0.055	-0.321	0.677	-0.866	0.262	-0.391	48
49	0.606	-0.596	0.059	-0.326	0.661	-0.872	0.265	-0.396	0.49
50	0.594	-0.604	0.063	-0.331	0.644	-0.878	0.269	-0.4	50
51	0.583	-0.613	0.068	-0.335	0.628	-0.884	0.272	-0.405	51
52	0.572	-0.621	0.072	-0.34	0.611	-0.889	0.275	-0.409	52
53	0.56	-0.629	0.077	-0.344	0.595	-0.894	0.278	-0.413	53
54	0.548	-0.637	0.081	-0.348	0.579	-0.899	0.281	-0.417	54
55	0.537	-0.644	0.086	-0.352	0.562	-0.903	0.284	-0.421	55
56	0.525	-0.651	0.091	-0.356	0.546	-0.906	0.287	-0.424	56
57	0.513	-0.658	0.095	-0.359	0.53	-0.91	0.29	-0.428	57
58	0.5	-0.665	0.1	-0.363	0.513	-0.913	0.293	-0.431	58
59	0.488	-0.671	0.104	-0.366	0.497	-0.916	0.296	-0.434	59
60	0.476	-0.677	0.109	-0.369	0.481	-0.918	0.299	-0.437	60
61	0.464	-0.682	0.114	-0.373	0.465	-0.92	0.302	-0.44	61
62	0.451	-0.688	0.119	-0.375	0.449	-0.922	0.305	-0.442	62
63	0.439	-0.693	0.123	-0.378	0.433	-0.923	0.308	-0.444	63
64	0.426	-0.697	0.128	-0.381	0.417	-0.924	0.31	-0.447	64
65	0.413	-0.702	0.133	-0.384	0.402	-0.925	0.313	-0.449	65
66	0.401	-0.706	0.137	-0.386	0.386	-0.925	0.316	-0.45	66
67	0.388	-0.71	0.142	-0.388	0.37	-0.925	0.318	-0.452	67
68	0.375	-0.713	0.147	-0.39	0.355	-0.924	0.321	-0.454	68
69	0.363	-0.716	0.151	-0.392	0.34	-0.924	0.323	-0.455	69
70	0.35	-0.719	0.156	-0.394	0.325	-0.923	0.325	-0.456	70
71	0.337	-0.722	0.161	-0.396	0.31	-0.921	0.328	-0.457	71
72	0.325	-0.724	0.165	-0.397	0.295	-0.92	0.33	-0.458	72
73	0.312	-0.726	0.17	-0.399	0.28	-0.918	0.332	-0.459	73
74	0.299	-0.728	0.174	-0.4	0.266	-0.915	0.334	-0.459	74
75	0.287	-0.729	0.179	-0.401	0.251	-0.913	0.336	-0.46	75

$\alpha = 0.5, \beta = 0$					$\alpha = -0.5, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.274	-0.73	0.183	-0.402	0.237	-0.91	0.338	-0.46	76
77	0.262	-0.731	0.188	-0.403	0.223	-0.907	0.34	-0.46	77
78	0.249	-0.731	0.192	-0.404	0.209	-0.903	0.342	-0.46	78
79	0.237	-0.731	0.196	-0.404	0.195	-0.9	0.344	-0.459	79
80	0.224	-0.731	0.201	-0.404	0.182	-0.896	0.345	-0.459	80
81	0.212	-0.731	0.205	-0.405	0.169	-0.892	0.347	-0.459	81
82	0.2	-0.73	0.209	-0.405	0.155	-0.887	0.349	-0.458	82
83	0.188	-0.729	0.213	-0.405	0.142	-0.882	0.35	-0.457	83
84	0.176	-0.728	0.217	-0.405	0.13	-0.877	0.351	-0.456	84
85	0.164	-0.727	0.221	-0.404	0.117	-0.872	0.353	-0.455	85
86	0.152	-0.725	0.224	-0.404	0.105	-0.867	0.354	-0.454	86
87	0.141	-0.723	0.228	-0.403	0.093	-0.861	0.355	-0.452	87
88	0.129	-0.721	0.232	-0.403	0.081	-0.855	0.356	-0.451	88
89	0.118	-0.718	0.235	-0.402	0.069	-0.849	0.357	-0.449	89
90	0.107	-0.715	0.239	-0.401	0.057	-0.842	0.358	-0.448	90
91	0.095	-0.712	0.242	-0.4	0.046	-0.836	0.359	-0.446	91
92	0.085	-0.709	0.245	-0.399	0.035	-0.829	0.359	-0.444	92
93	0.074	-0.705	0.249	-0.398	0.024	-0.822	0.36	-0.441	93
94	0.063	-0.702	0.252	-0.396	0.013	-0.815	0.36	-0.439	94
95	0.053	-0.698	0.255	-0.395	0.003	-0.808	0.361	-0.437	95
96	0.042	-0.693	0.257	-0.393	-0.007	-0.8	0.361	-0.434	96
97	0.032	-0.689	0.26	-0.391	-0.017	-0.792	0.361	-0.432	97
98	0.022	-0.684	0.263	-0.389	-0.027	-0.784	0.362	-0.429	98
99	0.012	-0.679	0.265	-0.387	-0.036	-0.776	0.362	-0.426	99
100	0.003	-0.674	0.268	-0.385	-0.045	-0.768	0.362	-0.423	100
101	-0.007	-0.669	0.27	-0.383	-0.054	-0.76	0.361	-0.42	101
102	-0.016	-0.663	0.272	-0.381	-0.063	-0.751	0.361	-0.417	102
103	-0.025	-0.657	0.274	-0.379	-0.072	-0.743	0.361	-0.414	103
104	-0.034	-0.651	0.276	-0.376	-0.08	-0.734	0.36	-0.411	104
105	-0.042	-0.645	0.278	-0.373	-0.088	-0.725	0.36	-0.407	105
106	-0.051	-0.639	0.28	-0.371	-0.096	-0.716	0.359	-0.404	106
107	-0.059	-0.633	0.281	-0.368	-0.103	-0.707	0.358	-0.4	107
108	-0.067	-0.626	0.283	-0.365	-0.111	-0.698	0.357	-0.396	108
109	-0.075	-0.619	0.284	-0.362	-0.118	-0.688	0.357	-0.393	109
110	-0.082	-0.612	0.285	-0.359	-0.124	-0.679	0.355	-0.389	110

$\alpha = 0.5, \beta = 0$					$\alpha = -0.5, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.09	-0.605	0.286	-0.356	-0.131	-0.669	0.354	-0.385	111
112	-0.097	-0.598	0.287	-0.353	-0.137	-0.659	0.353	-0.381	112
113	-0.104	-0.59	0.288	-0.35	-0.143	-0.65	0.352	-0.377	113
114	-0.11	-0.583	0.288	-0.346	-0.149	-0.64	0.35	-0.373	114
115	-0.117	-0.575	0.289	-0.343	-0.155	-0.63	0.349	-0.369	115
116	-0.123	-0.567	0.289	-0.339	-0.16	-0.62	0.347	-0.364	116
117	-0.129	-0.559	0.289	-0.336	-0.165	-0.61	0.345	-0.36	117
118	-0.134	-0.551	0.289	-0.332	-0.17	-0.6	0.343	-0.356	118
119	-0.14	-0.543	0.289	-0.328	-0.174	-0.59	0.341	-0.351	119
120	-0.145	-0.535	0.289	-0.325	-0.179	-0.58	0.339	-0.347	120
121	-0.15	-0.527	0.289	-0.321	-0.183	-0.569	0.337	-0.342	121
122	-0.155	-0.516	0.288	-0.317	-0.186	-0.559	0.334	-0.337	122
123	-0.159	-0.51	0.288	-0.313	-0.19	-0.549	0.332	-0.333	123
124	-0.163	-0.501	0.287	-0.309	-0.193	-0.538	0.33	-0.328	124
125	-0.167	-0.493	0.286	-0.305	-0.196	-0.528	0.327	-0.323	125
126	-0.171	-0.484	0.285	-0.301	-0.199	-0.518	0.324	-0.318	126
127	-0.175	-0.475	0.283	-0.296	-0.202	-0.507	0.321	-0.314	127
128	-0.178	-0.466	0.282	-0.292	-0.204	-0.497	0.318	-0.309	128
129	-0.181	-0.457	0.281	-0.288	-0.206	-0.487	0.315	-0.304	129
130	-0.184	-0.449	0.279	-0.283	-0.208	-0.476	0.312	-0.299	130
131	-0.186	-0.44	0.277	-0.279	-0.21	-0.466	0.309	-0.294	131
132	-0.189	-0.431	0.275	-0.275	-0.212	-0.456	0.305	-0.288	132
133	-0.191	-0.422	0.273	-0.27	-0.213	-0.445	0.302	-0.283	133
134	-0.193	-0.413	0.27	-0.266	-0.214	-0.435	0.298	-0.278	134
135	-0.195	-0.404	0.268	-0.261	-0.215	-0.425	0.294	-0.273	135

$\alpha = 0.75, \beta = 0$					$\alpha = -0.75, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.789	-0.013	-0.027	-0.038	1.645	-0.424	0.241	-0.019	6
7	0.792	-0.026	-0.03	-0.045	1.613	-0.466	0.259	-0.032	7
8	0.795	-0.04	-0.032	-0.052	1.583	-0.501	0.274	-0.045	8
9	0.797	-0.053	-0.034	-0.059	1.554	-0.531	0.287	-0.057	9
10	0.798	-0.067	-0.036	-0.066	1.528	-0.559	0.298	-0.07	10
11	0.799	-0.081	-0.037	-0.073	1.501	-0.585	0.309	-0.083	11
12	0.8	-0.095	-0.039	-0.08	1.476	-0.609	0.318	-0.095	12
13	0.801	-0.109	-0.04	-0.087	1.452	-0.632	0.326	-0.106	13
14	0.801	-0.124	-0.04	-0.094	1.429	-0.654	0.333	-0.118	14
15	0.8	-0.138	-0.041	-0.102	1.405	-0.675	0.339	-0.13	15
16	0.799	-0.152	-0.041	-0.109	1.382	-0.695	0.345	-0.142	16
17	0.798	-0.166	-0.041	-0.116	1.359	-0.715	0.351	-0.153	17
18	0.797	-0.18	-0.041	-0.123	1.337	-0.734	0.356	-0.165	18
19	0.795	-0.194	-0.041	-0.13	1.314	-0.752	0.362	-0.176	19
20	0.793	-0.208	-0.04	-0.137	1.292	-0.769	0.366	-0.187	20
21	0.79	-0.223	-0.04	-0.144	1.27	-0.786	0.371	-0.197	21
22	0.787	-0.236	-0.039	-0.151	1.248	-0.802	0.375	-0.208	22
23	0.784	-0.25	-0.038	-0.158	1.226	-0.817	0.378	-0.218	23
24	0.78	-0.264	-0.037	-0.165	1.205	-0.832	0.381	-0.228	24
25	0.776	-0.278	-0.035	-0.172	1.183	-0.847	0.384	-0.237	25
26	0.772	-0.292	-0.034	-0.178	1.162	-0.861	0.387	-0.247	26
27	0.767	-0.305	-0.032	-0.185	1.14	-0.874	0.389	-0.257	27
28	0.762	-0.318	-0.03	-0.192	1.119	-0.888	0.392	-0.266	28
29	0.757	-0.332	-0.028	-0.198	1.097	-0.9	0.394	-0.275	29
30	0.751	-0.345	-0.026	-0.205	1.076	-0.912	0.396	-0.284	30
31	0.745	-0.358	-0.024	-0.212	1.055	-0.924	0.398	-0.293	31
32	0.739	-0.371	-0.022	-0.218	1.033	-0.934	0.4	-0.301	32
33	0.733	-0.383	-0.019	-0.224	1.012	-0.945	0.401	-0.31	33
34	0.726	-0.396	-0.016	-0.231	0.991	-0.955	0.403	-0.318	34
35	0.719	-0.408	-0.014	-0.237	0.97	-0.964	0.404	-0.326	35
36	0.712	-0.42	-0.011	-0.243	0.948	-0.973	0.406	-0.334	36
37	0.704	-0.432	-0.008	-0.249	0.927	-0.982	0.407	-0.342	37
38	0.696	-0.444	-0.005	-0.255	0.906	-0.99	0.408	-0.349	38
39	0.688	-0.456	-0.001	-0.261	0.886	-0.997	0.409	-0.357	39
40	0.68	-0.467	0.002	-0.267	0.865	-1.004	0.41	-0.364	40

$\alpha = 0.75, \beta = 0$					$\alpha = -0.75, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.671	-0.478	0.006	-0.272	0.844	-1.011	0.411	-0.371	41
42	0.663	-0.489	0.009	-0.278	0.823	-1.017	0.412	-0.377	42
43	0.653	-0.5	0.013	-0.283	0.803	-1.022	0.413	-0.384	43
44	0.644	-0.51	0.016	-0.289	0.782	-1.028	0.414	-0.39	44
45	0.635	-0.521	0.02	-0.294	0.762	-1.032	0.414	-0.396	45
46	0.625	-0.531	0.024	-0.299	0.742	-1.037	0.415	-0.402	46
47	0.615	-0.54	0.028	-0.304	0.722	-1.04	0.416	-0.407	47
48	0.605	-0.55	0.032	-0.309	0.702	-1.044	0.416	-0.413	48
49	0.595	-0.559	0.036	-0.313	0.682	-1.047	0.417	-0.418	49
50	0.585	-0.568	0.041	-0.318	0.662	-1.049	0.417	-0.423	50
51	0.574	-0.577	0.045	-0.323	0.643	-1.052	0.418	-0.427	51
52	0.563	-0.585	0.049	-0.327	0.623	-1.053	0.418	-0.432	52
53	0.552	-0.593	0.054	-0.331	0.604	-1.055	0.418	-0.436	53
54	0.542	-0.601	0.058	-0.335	0.585	-1.056	0.419	-0.44	54
55	0.53	-0.609	0.063	-0.339	0.566	-1.056	0.419	-0.444	55
56	0.519	-0.616	0.067	-0.343	0.547	-1.057	0.419	-0.448	56
57	0.508	-0.623	0.072	-0.347	0.529	-1.057	0.419	-0.451	57
58	0.496	-0.63	0.077	-0.35	0.511	-1.056	0.419	-0.455	58
59	0.484	-0.637	0.081	-0.354	0.492	-1.055	0.42	-0.458	59
60	0.473	-0.643	0.086	-0.357	0.474	-1.054	0.42	-0.461	60
61	0.461	-0.649	0.091	-0.36	0.456	-1.053	0.42	-0.463	61
62	0.449	-0.654	0.095	-0.363	0.439	-1.051	0.42	-0.466	62
63	0.437	-0.66	0.1	-0.366	0.421	-1.049	0.42	-0.468	63
64	0.425	-0.665	0.105	-0.369	0.404	-1.046	0.42	-0.47	64
65	0.413	-0.67	0.11	-0.372	0.387	-1.044	0.42	-0.472	65
66	0.401	-0.674	0.114	-0.374	0.37	-1.041	0.42	-0.474	66
67	0.389	-0.678	0.119	-0.376	0.354	-1.037	0.42	-0.475	67
68	0.376	-0.682	0.124	-0.379	0.337	-1.034	0.42	-0.476	68
69	0.364	-0.686	0.129	-0.381	0.321	-1.03	0.42	-0.478	69
70	0.352	-0.689	0.134	-0.383	0.305	-1.026	0.419	-0.479	70
71	0.34	-0.692	0.138	-0.384	0.289	-1.021	0.419	-0.479	71
72	0.327	-0.695	0.143	-0.386	0.274	-1.017	0.419	-0.48	72
73	0.315	-0.697	0.148	-0.388	0.259	-1.012	0.419	-0.48	73
74	0.303	-0.699	0.152	-0.389	0.244	-1.006	0.419	-0.481	74
75	0.291	-0.701	0.157	-0.39	0.229	-1.001	0.418	-0.481	75

$\alpha = 0.75, \beta = 0$					$\alpha = -0.75, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.278	-0.702	0.162	-0.391	0.214	-0.995	0.418	-0.481	76
77	0.266	-0.704	0.166	-0.392	0.2	-0.99	0.418	-0.48	77
78	0.254	-0.705	0.171	-0.393	0.186	-0.983	0.417	-0.48	78
79	0.242	-0.705	0.175	-0.394	0.172	-0.977	0.417	-0.479	79
80	0.23	-0.706	0.18	-0.394	0.158	-0.971	0.416	-0.479	80
81	0.218	-0.706	0.184	-0.395	0.145	-0.964	0.416	-0.478	81
82	0.206	-0.705	0.188	-0.395	0.131	-0.957	0.415	-0.477	82
83	0.194	-0.705	0.192	-0.395	0.118	-0.95	0.415	-0.476	83
4	0.182	-0.704	0.197	-0.395	0.106	-0.942	0.414	-0.474	84
85	0.171	-0.703	0.201	-0.395	0.093	-0.935	0.414	-0.473	85
86	0.159	-0.702	0.205	-0.395	0.081	-0.927	0.413	-0.471	86
87	0.148	-0.7	0.209	-0.394	0.069	-0.919	0.412	-0.47	87
88	0.136	-0.698	0.213	-0.394	0.057	-0.911	0.412	-0.468	88
89	0.125	-0.696	0.216	-0.393	0.045	-0.903	0.411	-0.466	89
90	0.114	-0.694	0.22	-0.392	0.034	-0.895	0.41	-0.464	90
91	0.103	-0.691	0.224	-0.391	0.023	-0.886	0.409	-0.461	91
92	0.092	-0.689	0.227	-0.391	0.012	-0.878	0.408	-0.459	92
93	0.081	-0.686	0.231	-0.389	0.002	-0.869	0.407	-0.457	93
94	0.071	-0.682	0.234	-0.388	-0.009	-0.86	0.406	-0.454	94
95	0.06	-0.679	0.237	-0.387	-0.019	-0.851	0.405	-0.451	95
96	0.05	-0.675	0.24	-0.385	-0.028	-0.841	0.404	-0.448	96
97	0.04	-0.671	0.243	-0.383	-0.038	-0.832	0.402	-0.445	97
98	0.03	-0.666	0.246	-0.382	-0.047	-0.823	0.401	-0.442	98
99	0.02	-0.662	0.249	-0.38	-0.056	-0.813	0.4	-0.439	99
100	0.011	-0.657	0.252	-0.378	-0.065	-0.803	0.398	-0.436	100
101	0.001	-0.652	0.255	-0.376	-0.074	-0.794	0.397	-0.433	101
102	-0.008	-0.647	0.257	-0.374	-0.082	-0.784	0.395	-0.429	102
103	-0.017	-0.642	0.259	-0.372	-0.09	-0.774	0.394	-0.426	103
104	-0.026	-0.636	0.262	-0.369	-0.098	-0.764	0.392	-0.422	104
105	-0.035	-0.631	0.264	-0.367	-0.106	-0.754	0.39	-0.418	105
106	-0.043	-0.625	0.266	-0.364	-0.113	-0.743	0.389	-0.414	106
107	-0.051	-0.619	0.268	-0.362	-0.12	-0.733	0.387	-0.411	107
108	-0.059	-0.613	0.269	-0.359	-0.127	-0.723	0.385	-0.407	108
109	-0.067	-0.606	0.271	-0.356	-0.134	-0.712	0.383	-0.402	109
110	-0.075	-0.6	0.272	-0.353	-0.14	-0.702	0.381	-0.398	110

$\alpha = 0.75, \beta = 0$					$\alpha = -0.75, \beta = 0$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
111	-0.082	-0.593	0.274	-0.35	-0.146	-0.691	0.378	-0.394	111	
112	-0.089	-0.586	0.275	-0.347	-0.152	-0.68	0.376	-0.39	112	
113	-0.096	-0.579	0.276	-0.344	-0.157	-0.67	0.374	-0.385	113	
114	-0.103	-0.572	0.277	-0.341	-0.163	-0.659	0.372	-0.381	114	
115	-0.11	-0.564	0.278	-0.338	-0.168	-0.648	0.369	-0.377	115	
116	-0.116	-0.557	0.278	-0.334	-0.173	-0.637	0.367	-0.372	116	
117	-0.122	-0.549	0.279	-0.331	-0.177	-0.626	0.364	-0.367	117	
118	-0.128	-0.542	0.279	-0.327	-0.182	-0.616	0.361	-0.363	118	
119	-0.133	-0.534	0.279	-0.324	-0.186	-0.605	0.358	-0.358	119	
120	-0.139	-0.526	0.279	-0.32	-0.19	-0.594	0.356	-0.353	120	
121	-0.144	-0.518	0.279	-0.316	-0.193	-0.583	0.353	-0.348	121	
122	-0.149	-0.51	0.279	-0.312	-0.197	-0.572	0.35	-0.344	122	
123	-0.153	-0.502	0.279	-0.309	-0.2	-0.561	0.346	-0.339	123	
124	-0.158	-0.494	0.278	-0.305	-0.203	-0.55	0.343	-0.334	124	
125	-0.162	-0.485	0.278	-0.301	-0.206	-0.539	0.34	-0.329	125	
126	-0.166	-0.477	0.277	-0.297	-0.206	-0.528	0.337	-0.324	126	
127	-0.169	-0.468	0.276	-0.293	-0.211	-0.517	0.333	-0.319	127	
128	-0.173	-0.46	0.275	-0.289	-0.213	-0.506	0.33	-0.313	128	
129	-0.176	-0.451	0.273	-0.284	-0.214	-0.495	0.326	-0.308	129	
130	-0.179	-0.443	0.272	-0.28	-0.216	-0.485	0.322	-0.303	130	
131	-0.182	-0.434	0.27	-0.276	-0.218	-0.474	0.318	-0.298	131	
132	-0.184	-0.425	0.269	-0.272	-0.219	-0.463	0.314	-0.292	132	
133	-0.186	-0.417	0.267	-0.267	-0.22	-0.452	0.31	-0.287	133	
134	-0.188	-0.408	0.264	-0.263	-0.221	-0.441	0.306	-0.281	134	
135	-0.19	-0.399	0.262	-0.258	-0.222	-0.431	0.302	-0.276	135	

$\alpha = -0.60, \beta = 0$					$\alpha = -0.65, \beta = 0$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
6	1.399	-0.313	0.124	-0.053	1.467	-0.347	0.153	-0.047	6	
7	1.38	-0.341	0.135	-0.063	1.444	-0.378	0.166	-0.058	7	
8	1.362	-0.367	0.145	-0.074	1.422	-0.405	0.177	-0.069	8	
9	1.344	-0.39	0.153	-0.085	1.402	-0.43	0.187	-0.08	9	
10	1.327	-0.413	0.161	-0.096	1.382	-0.454	0.196	-0.092	10	
11	1.31	-0.435	0.169	-0.106	1.363	-0.476	0.204	-0.102	11	
12	1.294	-0.456	0.176	-0.117	1.344	-0.498	0.212	-0.113	12	
13	1.278	-0.476	0.182	-0.127	1.326	-0.519	0.219	-0.124	13	
14	1.262	-0.496	0.188	-0.137	1.308	-0.539	0.225	-0.134	14	
15	1.246	-0.515	0.194	-0.147	1.29	-0.559	0.231	-0.145	15	
16	1.23	-0.534	0.199	-0.157	1.272	-0.578	0.237	-0.155	16	
17	1.214	-0.553	0.204	-0.167	1.254	-0.597	0.242	-0.165	17	
18	1.198	-0.571	0.209	-0.177	1.236	-0.615	0.248	-0.175	18	
19	1.182	-0.589	0.214	-0.186	1.218	-0.633	0.252	-0.185	19	
20	1.165	-0.606	0.219	-0.196	1.201	-0.65	0.257	-0.195	20	
21	1.149	-0.623	0.223	-0.205	1.183	-0.667	0.262	-0.205	21	
22	1.133	-0.639	0.227	-0.214	1.165	-0.684	0.266	-0.214	22	
23	1.117	-0.655	0.231	-0.223	1.147	-0.7	0.27	-0.223	23	
24	1.1	-0.671	0.235	-0.232	1.13	-0.715	0.274	-0.233	24	
25	1.084	-0.686	0.239	-0.241	1.112	-0.73	0.277	-0.242	25	
26	1.067	-0.701	0.243	-0.25	1.094	-0.745	0.281	-0.251	26	
27	1.051	-0.715	0.247	-0.258	1.076	-0.759	0.285	-0.259	27	
28	1.034	-0.729	0.25	-0.267	1.058	-0.773	0.288	-0.268	28	
29	1.017	-0.743	0.254	-0.275	1.04	-0.786	0.291	-0.276	29	
30	1	-0.756	0.257	-0.283	1.022	-0.799	0.294	-0.285	30	
31	0.983	-0.769	0.261	-0.291	1.003	-0.812	0.298	-0.293	31	
32	0.966	-0.781	0.264	-0.299	0.985	-0.824	0.301	-0.301	32	
33	0.949	-0.793	0.267	-0.306	0.967	-0.835	0.303	-0.309	33	
34	0.932	-0.805	0.27	-0.314	0.949	-0.847	0.306	-0.316	34	
35	0.914	-0.816	0.274	-0.321	0.93	-0.857	0.309	-0.324	35	
36	0.897	-0.827	0.277	-0.328	0.912	-0.868	0.312	-0.331	36	
37	0.879	-0.837	0.28	-0.335	0.893	-0.878	0.315	-0.338	37	
38	0.862	-0.847	0.283	-0.342	0.875	-0.887	0.317	-0.345	38	
39	0.845	-0.856	0.286	-0.348	0.856	-0.896	0.32	-0.352	39	
40	0.827	-0.866	0.289	-0.355	0.838	-0.905	0.322	-0.358	40	

	$\alpha = -0.60, \beta = 0$					$\alpha = -0.65, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$		$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.809	-0.874	0.292	-0.361	0.82	-0.913	0.325	-0.365	41	
42	0.792	-0.883	0.295	-0.367	0.801	-0.921	0.327	-0.371	42	
43	0.774	-0.89	0.297	-0.373	0.783	-0.928	0.33	-0.377	43	
44	0.757	-0.898	0.3	-0.379	0.764	-0.935	0.332	-0.383	44	
45	0.739	-0.905	0.303	-0.384	0.746	-0.941	0.334	-0.388	45	
46	0.721	-0.912	0.306	-0.39	0.726	-0.947	0.336	-0.394	46	
47	0.704	-0.918	0.308	-0.395	0.709	-0.953	0.339	-0.399	47	
48	0.686	-0.924	0.311	-0.4	0.691	-0.958	0.341	-0.404	48	
49	0.669	-0.929	0.314	-0.405	0.673	-0.963	0.343	-0.409	49	
50	0.651	-0.934	0.316	-0.409	0.655	-0.968	0.345	-0.414	50	
51	0.634	-0.939	0.319	-0.414	0.637	-0.972	0.347	-0.418	51	
52	0.616	-0.943	0.321	-0.418	0.619	-0.975	0.349	-0.423	52	
53	0.599	-0.947	0.324	-0.422	0.601	-0.979	0.351	-0.427	53	
54	0.581	-0.951	0.326	-0.426	0.583	-0.981	0.353	-0.431	54	
55	0.564	-0.954	0.328	-0.43	0.565	-0.984	0.354	-0.435	55	
56	0.547	-0.957	0.331	-0.434	0.547	-0.986	0.356	-0.438	56	
57	0.53	-0.959	0.333	-0.437	0.53	-0.988	0.358	-0.442	57	
58	0.513	-0.961	0.335	-0.44	0.513	-0.989	0.36	-0.445	58	
59	0.496	-0.963	0.337	-0.443	0.495	-0.99	0.361	-0.448	59	
60	0.479	-0.964	0.339	-0.446	0.478	-0.991	0.363	-0.451	60	
61	0.463	-0.965	0.341	-0.449	0.461	-0.991	0.364	-0.453	61	
62	0.446	-0.966	0.343	-0.451	0.444	-0.991	0.366	-0.456	62	
63	0.43	-0.966	0.345	-0.453	0.427	-0.991	0.367	-0.458	63	
64	0.413	-0.966	0.347	-0.456	0.411	-0.99	0.369	-0.46	64	
65	0.397	-0.966	0.349	-0.458	0.394	-0.989	0.37	-0.462	65	
66	0.381	-0.965	0.351	-0.459	0.378	-0.988	0.372	-0.464	66	
67	0.365	-0.964	0.353	-0.461	0.362	-0.986	0.373	-0.465	67	
68	0.349	-0.962	0.355	-0.462	0.346	-0.984	0.374	-0.467	68	
69	0.334	-0.961	0.356	-0.464	0.33	-0.982	0.375	-0.468	69	
70	0.318	-0.959	0.358	-0.465	0.315	-0.979	0.376	-0.469	70	
71	0.303	-0.956	0.359	-0.466	0.299	-0.976	0.377	-0.47	71	
72	0.288	-0.954	0.361	-0.466	0.284	-0.973	0.378	-0.471	72	
73	0.273	-0.951	0.362	-0.467	0.269	-0.969	0.379	-0.471	73	
74	0.258	-0.948	0.364	-0.467	0.254	-0.966	0.38	-0.472	74	
75	0.244	-0.944	0.365	-0.468	0.239	-0.962	0.381	-0.472	75	

	$\alpha = -0.60, \beta = 0$					$\alpha = -0.65, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$		$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.229	-0.94	0.366	-0.468	0.225	-0.957	0.382	-0.472	76	
77	0.215	-0.936	0.367	-0.468	0.211	-0.953	0.383	-0.472	77	
78	0.201	-0.932	0.369	-0.467	0.196	-0.948	0.383	-0.472	78	
79	0.187	-0.927	0.37	-0.467	0.183	-0.943	0.384	-0.471	79	
80	0.174	-0.923	0.371	-0.467	0.169	-0.938	0.385	-0.47	80	
81	0.16	-0.918	0.372	-0.466	0.155	-0.932	0.385	-0.47	81	
82	0.147	-0.912	0.372	-0.465	0.142	-0.926	0.386	-0.469	82	
83	0.134	-0.907	0.373	-0.464	0.129	-0.92	0.386	-0.468	83	
84	0.121	-0.901	0.374	-0.463	0.116	-0.914	0.386	-0.467	84	
85	0.109	-0.895	0.375	-0.462	0.104	-0.907	0.387	-0.465	85	
86	0.096	-0.889	0.375	-0.46	0.092	-0.901	0.387	-0.464	86	
87	0.084	-0.882	0.376	-0.459	0.079	-0.894	0.387	-0.462	87	
88	0.072	-0.876	0.376	-0.457	0.068	-0.887	0.387	-0.461	88	
89	0.06	-0.869	0.377	-0.456	0.056	-0.88	0.387	-0.459	89	
90	0.049	-0.862	0.377	-0.454	0.044	-0.872	0.387	-0.457	90	
91	0.038	-0.854	0.377	-0.452	0.033	-0.864	0.387	-0.455	91	
92	0.027	-0.847	0.377	-0.45	0.022	-0.857	0.387	-0.453	92	
93	0.016	-0.839	0.377	-0.447	0.012	-0.849	0.387	-0.45	93	
94	0.005	-0.832	0.377	-0.445	0.001	-0.841	0.386	-0.448	94	
95	-0.005	-0.824	0.377	-0.442	-0.009	-0.832	0.386	-0.445	95	
96	-0.015	-0.816	0.377	-0.44	-0.019	-0.824	0.385	-0.443	96	
97	-0.025	-0.807	0.377	-0.437	-0.029	-0.815	0.385	-0.44	97	
98	-0.034	-0.799	0.376	-0.434	-0.038	-0.806	0.384	-0.437	98	
99	-0.044	-0.79	0.376	-0.431	-0.048	-0.798	0.383	-0.434	99	
100	-0.053	-0.781	0.375	-0.428	-0.057	-0.788	0.383	-0.431	100	
101	-0.062	-0.773	0.375	-0.425	-0.065	-0.779	0.382	-0.427	101	
102	-0.07	-0.764	0.374	-0.422	-0.074	-0.77	0.381	-0.424	102	
103	-0.079	-0.754	0.373	-0.418	-0.082	-0.761	0.38	-0.421	103	
104	-0.087	-0.745	0.372	-0.415	-0.09	-0.751	0.379	-0.417	104	
105	-0.095	-0.736	0.371	-0.411	-0.098	-0.742	0.377	-0.414	105	
106	-0.102	-0.726	0.37	-0.408	-0.106	-0.732	0.376	-0.41	106	
107	-0.11	-0.717	0.369	-0.404	-0.113	-0.722	0.375	-0.406	107	
108	-0.117	-0.707	0.368	-0.4	-0.12	-0.712	0.373	-0.402	108	
109	-0.124	-0.697	0.366	-0.396	-0.127	-0.702	0.372	-0.398	109	
110	-0.13	-0.687	0.365	-0.393	-0.133	-0.692	0.37	-0.394	110	

$\alpha = -0.60, \beta = 0$					$\alpha = -0.65, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.137	-0.677	0.364	-0.389	-0.14	-0.682	0.368	-0.39	111
112	-0.143	-0.667	0.362	-0.384	-0.146	-0.672	0.366	-0.386	112
113	-0.149	-0.657	0.36	-0.38	-0.151	-0.661	0.365	-0.382	113
114	-0.154	-0.647	0.358	-0.376	-0.157	-0.651	0.363	-0.378	114
115	-0.16	-0.637	0.356	-0.372	-0.162	-0.641	0.361	-0.373	115
116	-0.165	-0.627	0.354	-0.367	-0.167	-0.63	0.358	-0.369	116
117	-0.17	-0.616	0.352	-0.363	-0.172	-0.62	0.356	-0.364	117
118	-0.174	-0.606	0.35	-0.358	-0.177	-0.609	0.354	-0.36	118
119	-0.179	-0.596	0.348	-0.354	-0.181	-0.598	0.351	-0.355	119
120	-0.183	-0.585	0.345	-0.349	-0.185	-0.588	0.349	-0.351	120
121	-0.187	-0.575	0.343	-0.345	-0.189	-0.577	0.346	-0.346	121
122	-0.19	-0.564	0.34	-0.34	-0.193	-0.567	0.343	-0.341	122
123	-0.194	-0.553	0.338	-0.335	-0.196	-0.556	0.34	-0.336	123
124	-0.197	-0.543	0.335	-0.33	-0.199	-0.545	0.338	-0.331	124
125	-0.2	-0.532	0.332	-0.325	-0.202	-0.535	0.335	-0.326	125
126	-0.203	-0.522	0.329	-0.32	-0.205	-0.524	0.331	-0.322	126
127	-0.205	-0.511	0.326	-0.316	-0.207	-0.513	0.328	-0.317	127
128	-0.208	-0.501	0.323	-0.311	-0.209	-0.502	0.325	-0.311	128
129	-0.21	-0.49	0.319	-0.305	-0.211	-0.492	0.321	-0.306	129
130	-0.211	-0.479	0.316	-0.3	-0.213	-0.481	0.318	-0.301	130
131	-0.213	-0.469	0.312	-0.295	-0.215	-0.471	0.314	-0.296	131
132	-0.214	-0.458	0.309	-0.29	-0.216	-0.46	0.311	-0.291	132
133	-0.216	-0.448	0.305	-0.285	-0.217	-0.449	0.307	-0.285	133
134	-0.217	-0.438	0.301	-0.279	-0.218	-0.439	0.303	-0.28	134
135	-0.218	-0.427	0.297	-0.274	-0.219	-0.428	0.299	-0.275	135

$\alpha = -0.67, \beta = 0$					$\alpha = -0.70, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	1.497	-0.361	0.167	-0.043	1.547	-0.385	0.19	-0.037	6
7	1.473	-0.394	0.18	-0.055	1.52	-0.419	0.205	-0.049	7
8	1.45	-0.422	0.192	-0.066	1.494	-0.45	0.218	-0.061	8
9	1.428	-0.448	0.203	-0.078	1.47	-0.477	0.23	-0.072	9
70	1.407	-0.472	0.212	-0.089	1.448	-0.502	0.24	-0.084	10
11	1.387	-0.495	0.221	-0.1	1.425	-0.526	0.249	-0.095	11
12	1.367	-0.517	0.229	-0.111	1.404	-0.549	0.258	-0.107	12
13	1.347	-0.538	0.236	-0.122	1.383	-0.57	0.265	-0.118	13
14	1.328	-0.559	0.243	-0.133	1.362	-0.591	0.272	-0.129	14
15	1.309	-0.579	0.249	-0.143	1.342	-0.611	0.278	-0.14	15
16	1.291	-0.598	0.255	-0.154	1.322	-0.631	0.284	-0.151	16
17	1.272	-0.617	0.26	-0.164	1.301	-0.65	0.29	-0.161	17
18	1.253	-0.635	0.265	-0.174	1.282	-0.669	0.295	-0.172	18
19	1.235	-0.653	0.27	-0.184	1.262	-0.686	0.3	-0.182	19
20	1.216	-0.671	0.275	-0.194	1.242	-0.704	0.305	-0.192	20
21	1.198	-0.687	0.279	-0.204	1.222	-0.721	0.309	-0.202	21
22	1.179	-0.704	0.284	-0.214	1.203	-0.737	0.314	-0.212	22
23	1.161	-0.72	0.288	-0.223	1.183	-0.753	0.317	-0.222	23
24	1.143	-0.735	0.291	-0.232	1.164	-0.768	0.321	-0.231	24
25	1.124	-0.75	0.295	-0.242	1.144	-0.783	0.325	-0.241	25
26	1.106	-0.765	0.299	-0.251	1.125	-0.797	0.328	-0.25	26
27	1.087	-0.779	0.302	-0.259	1.105	-0.811	0.331	-0.259	27
28	1.068	-0.793	0.305	-0.268	1.086	-0.825	0.334	-0.268	28
29	1.05	-0.806	0.308	-0.277	1.066	-0.838	0.337	-0.277	29
30	1.031	-0.819	0.311	-0.285	1.046	-0.85	0.34	-0.285	30
31	1.012	-0.831	0.314	-0.293	1.027	-0.862	0.342	-0.294	31
32	0.994	-0.843	0.317	-0.301	1.007	-0.874	0.345	-0.302	32
33	0.975	-0.854	0.32	-0.309	0.988	-0.885	0.347	-0.31	33
34	0.956	-0.865	0.323	-0.317	0.968	-0.896	0.35	-0.318	34
35	0.937	-0.876	0.325	-0.325	0.948	-0.906	0.352	-0.326	35
36	0.918	-0.886	0.328	-0.332	0.929	-0.916	0.354	-0.333	36
37	0.899	-0.896	0.33	-0.339	0.909	-0.925	0.356	-0.34	37
38	0.881	-0.905	0.333	-0.346	0.89	-0.934	0.358	-0.348	38
39	0.862	-0.914	0.335	-0.353	0.87	-0.942	0.36	-0.355	39
40	0.843	-0.922	0.337	-0.36	0.85	-0.95	0.362	-0.361	40

	$\alpha = -0.67, \beta = 0$				$\alpha = -0.70, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.824	-0.93	0.34	-0.366	0.831	-0.958	0.364	-0.368	41
42	0.805	-0.937	0.342	-0.372	0.812	-0.965	0.366	-0.374	42
43	0.786	-0.945	0.344	-0.378	0.792	-0.971	0.367	-0.381	43
44	0.768	-0.951	0.346	-0.384	0.773	-0.977	0.369	-0.387	44
45	0.749	-0.957	0.348	-0.39	0.754	-0.983	0.371	-0.392	45
46	0.73	-0.963	0.35	-0.396	0.734	-0.988	0.372	-0.398	46
47	0.712	-0.968	0.352	-0.401	0.715	-0.993	0.374	-0.403	47
48	0.693	-0.973	0.354	-0.406	0.696	-0.998	0.375	-0.409	48
49	0.675	-0.978	0.356	-0.411	0.677	-1.002	0.377	-0.414	49
50	0.656	-0.982	0.358	-0.416	0.658	-1.005	0.378	-0.418	50
51	0.638	-0.986	0.359	-0.42	0.64	-1.009	0.379	-0.423	51
52	0.62	-0.989	0.361	-0.425	0.621	-1.012	0.381	-0.427	52
53	0.601	-0.992	0.363	-0.429	0.602	-1.014	0.382	-0.432	53
54	0.583	-0.995	0.364	-0.433	0.584	-1.016	0.383	-0.436	54
55	0.565	-0.997	0.366	-0.437	0.566	-1.018	0.384	-0.439	55
56	0.548	-0.999	0.367	-0.44	0.548	-1.019	0.385	-0.443	56
57	0.53	-1	0.369	-0.444	0.53	-1.02	0.386	-0.446	57
58	0.512	-1.001	0.37	-0.447	0.512	-1.021	0.387	-0.45	58
59	0.495	-1.002	0.372	-0.45	0.494	-1.021	0.388	-0.453	59
60	0.477	-1.002	0.373	-0.453	0.476	-1.021	0.389	-0.456	60
61	0.46	-1.002	0.374	-0.455	0.459	-1.02	0.39	-0.458	61
62	0.443	-1.002	0.376	-0.458	0.442	-1.019	0.391	-0.461	62
63	0.426	-1.001	0.377	-0.46	0.425	-1.018	0.392	-0.463	63
64	0.41	-1	0.378	-0.462	0.408	-1.017	0.393	-0.465	64
65	0.393	-0.999	0.379	-0.464	0.391	-1.015	0.394	-0.467	65
66	0.377	-0.997	0.38	-0.466	0.375	-1.013	0.394	-0.469	66
67	0.361	-0.995	0.381	-0.467	0.358	-1.01	0.395	-0.47	67
68	0.344	-0.993	0.382	-0.469	0.342	-1.008	0.396	-0.472	68
69	0.329	-0.991	0.383	-0.47	0.326	-1.005	0.396	-0.473	69
70	0.313	-0.988	0.384	-0.471	0.31	-1.001	0.397	-0.474	70
71	0.297	-0.984	0.385	-0.472	0.295	-0.998	0.397	-0.475	71
72	0.282	-0.981	0.386	-0.473	0.279	-0.994	0.398	-0.475	72
73	0.267	-0.977	0.387	-0.473	0.264	-0.99	0.398	-0.476	73
74	0.252	-0.973	0.387	-0.473	0.249	-0.985	0.399	-0.476	74
75	0.237	-0.969	0.388	-0.474	0.234	-0.981	0.399	-0.476	75

$\alpha = -0.67, \beta = 0$					$\alpha = -0.70, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.223	-0.964	0.389	-0.474	0.22	-0.976	0.399	-0.476	76
77	0.209	-0.96	0.389	-0.473	0.205	-0.97	0.399	-0.476	77
78	0.194	-0.955	0.39	-0.473	0.191	-0.965	0.4	-0.476	78
79	0.181	-0.949	0.39	-0.473	0.177	-0.959	0.4	-0.475	79
80	0.167	-0.944	0.391	-0.472	0.164	-0.953	0.4	-0.475	80
81	0.153	-0.938	0.391	-0.471	0.15	-0.947	0.4	-0.474	81
82	0.14	-0.932	0.391	-0.47	0.137	-0.941	0.4	-0.473	82
83	0.127	-0.926	0.392	-0.469	0.124	-0.934	0.4	-0.472	83
84	0.114	-0.919	0.392	-0.468	0.111	-0.928	0.4	-0.471	84
85	0.102	-0.913	0.392	-0.467	0.099	-0.921	0.4	-0.469	85
86	0.09	-0.906	0.392	-0.465	0.086	-0.914	0.4	-0.468	86
87	0.077	-0.899	0.392	-0.464	0.074	-0.906	0.399	-0.466	87
118	0.066	-0.892	0.392	-0.462	0.062	-0.899	0.399	-0.464	88
89	0.054	-0.884	0.392	-0.46	0.051	-0.891	0.399	-0.462	89
90	0.042	-0.876	0.392	-0.458	0.039	-0.883	0.398	-0.46	90
91	0.031	-0.869	0.391	-0.456	0.028	-0.875	0.398	-0.458	91
92	0.02	-0.861	0.391	-0.454	0.017	-0.867	0.397	-0.456	92
93	0.01	-0.853	0.391	-0.451	0.007	-0.858	0.397	-0.453	93
94	-0.001	-0.844	0.39	-0.449	-0.004	-0.85	0.396	-0.451	94
95	-0.011	-0.836	0.39	-0.446	-0.014	-0.841	0.395	-0.448	95
96	-0.021	-0.827	0.389	-0.444	-0.024	-0.832	0.394	-0.445	96
97	-0.031	-0.818	0.388	-0.441	-0.033	-0.823	0.393	-0.443	97
98	-0.04	-0.81	0.387	-0.438	-0.043	-0.814	0.392	-0.44	98
99	-0.049	-0.801	0.387	-0.435	-0.052	-0.805	0.391	-0.436	99
100	-0.058	-0.791	0.386	-0.432	-0.061	-0.796	0.39	-0.433	100
101	-0.067	-0.782	0.385	-0.428	-0.07	-0.786	0.389	-0.43	101
102	-0.076	-0.773	0.384	-0.425	-0.078	-0.777	0.388	-0.427	102
103	-0.084	-0.763	0.382	-0.422	-0.086	-0.767	0.387	-0.423	103
104	-0.092	-0.754	0.381	-0.418	-0.094	-0.757	0.385	-0.42	104
105	-0.1	-0.744	0.38	-0.415	-0.102	-0.747	0.384	-0.416	105
106	-0.107	-0.734	0.379	-0.411	-0.109	-0.737	0.382	-0.412	106
107	-0.114	-0.724	0.377	-0.407	-0.116	-0.727	0.381	-0.408	107
108	-0.121	-0.714	0.375	-0.403	-0.123	-0.717	0.379	-0.404	108
109	-0.128	-0.704	0.374	-0.399	-0.13	-0.707	0.377	-0.4	109
110	-0.135	-0.694	0.372	-0.395	-0.137	-0.697	0.375	-0.396	110

$\alpha = -0.67, \beta = 0$					$\alpha = -0.70, \beta = 0$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.141	-0.684	0.37	-0.391	-0.143	-0.686	0.373	-0.392	111
112	-0.147	-0.673	0.368	-0.387	-0.149	-0.676	0.371	-0.388	112
113	-0.153	-0.663	0.366	-0.383	-0.154	-0.665	0.369	-0.384	113
114	-0.158	-0.653	0.364	-0.378	-0.16	-0.655	0.367	-0.379	114
115	-0.163	-0.642	0.362	-0.374	-0.165	-0.644	0.365	-0.375	115
116	-0.168	-0.632	0.36	-0.369	-0.17	-0.634	0.362	-0.37	116
117	-0.173	-0.621	0.358	-0.365	-0.175	-0.623	0.36	-0.366	117
118	-0.178	-0.61	0.355	-0.36	-0.179	-0.612	0.357	-0.361	118
119	-0.182	-0.6	0.353	-0.356	-0.183	-0.602	0.355	-0.357	119
120	-0.186	-0.589	0.35	-0.351	-0.187	-0.591	0.352	-0.352	120
121	-0.19	-0.578	0.347	-0.346	-0.191	-0.58	0.349	-0.347	121
122	-0.193	-0.568	0.345	-0.342	-0.195	-0.569	0.346	-0.342	122
123	-0.197	-0.557	0.342	-0.337	-0.198	-0.558	0.343	-0.337	123
124	-0.2	-0.546	0.339	-0.332	-0.201	-0.548	0.34	-0.333	124
125	-0.203	-0.535	0.336	-0.327	-0.204	-0.537	0.337	-0.328	125
126	-0.205	-0.525	0.332	-0.322	-0.206	-0.526	0.334	-0.323	126
127	-0.208	-0.514	0.329	-0.317	-0.209	-0.515	0.331	-0.318	127
128	-0.21	-0.503	0.326	-0.312	-0.211	-0.504	0.327	-0.312	128
129	-0.212	-0.493	0.322	-0.307	-0.213	-0.494	0.324	-0.307	129
130	-0.214	-0.482	0.319	-0.302	-0.215	-0.483	0.32	-0.302	130
131	-0.215	-0.471	0.315	-0.296	-0.216	-0.472	0.316	-0.297	131
132	-0.216	-0.461	0.311	-0.291	-0.217	-0.461	0.313	-0.292	132
133	-0.218	-0.45	0.308	-0.286	-0.218	-0.451	0.309	-0.286	133
134	-0.219	-0.439	0.304	-0.28	-0.219	-0.44	0.305	-0.281	134
135	-0.22	-0.429	0.299	-0.275	-0.22	-0.43	0.3	-0.275	135

$\alpha = 0, \beta = 0.25$					$\alpha = 0, \beta = -0.25$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
6	0.966	0.101	0.006	-0.039	0.923	-0.28	-0.005	-0.063	6	
7	0.968	0.072	0.007	-0.046	0.921	-0.283	-0.005	-0.073	7	
8	0.97	0.044	0.008	-0.053	0.918	-0.289	-0.004	-0.083	8	
9	0.971	0.017	0.009	-0.059	0.915	-0.295	-0.004	-0.093	9	
10	0.971	-0.008	0.01	-0.066	0.912	-0.303	-0.003	-0.103	10	
11	0.971	-0.033	0.011	-0.073	0.908	-0.311	-0.001	-0.113	11	
12	0.97	-0.057	0.012	-0.079	0.904	-0.32	0	-0.123	12	
13	0.968	-0.08	0.013	-0.086	0.9	-0.329	0.002	-0.133	13	
14	0.965	-0.103	0.014	-0.093	0.895	-0.339	0.004	-0.143	14	
15	0.962	-0.126	0.015	-0.1	0.89	-0.348	0.006	-0.152	15	
16	0.959	-0.147	0.017	-0.106	0.885	-0.359	0.008	-0.162	16	
17	0.955	-0.169	0.018	-0.113	0.879	-0.369	0.01	-0.171	17	
18	0.95	-0.19	0.02	-0.12	0.873	-0.379	0.013	-0.181	18	
19	0.945	-0.211	0.021	-0.126	0.867	-0.39	0.016	-0.19	19	
20	0.94	-0.231	0.023	-0.133	0.861	-0.401	0.019	-0.199	20	
21	0.934	-0.251	0.024	-0.139	0.855	-0.411	0.022	-0.208	21	
22	0.928	-0.27	0.026	-0.146	0.848	-0.422	0.025	-0.217	22	
23	0.921	-0.289	0.028	-0.153	0.841	-0.433	0.028	-0.225	23	
24	0.914	-0.308	0.03	-0.159	0.834	-0.444	0.032	-0.234	24	
25	0.906	-0.327	0.032	-0.165	0.826	-0.454	0.035	-0.242	25	
26	0.899	-0.345	0.034	-0.172	0.819	-0.465	0.039	-0.25	26	
27	0.89	-0.363	0.036	-0.178	0.811	-0.476	0.043	-0.259	27	
28	0.882	-0.38	0.038	-0.184	0.803	-0.486	0.047	-0.267	28	
29	0.873	-0.397	0.04	-0.191	0.794	-0.496	0.051	-0.275	29	
30	0.864	-0.414	0.042	-0.197	0.786	-0.507	0.055	-0.282	30	
31	0.854	-0.43	0.044	-0.203	0.777	-0.517	0.06	-0.29	31	
32	0.844	-0.446	0.047	-0.209	0.768	-0.527	0.064	-0.297	32	
33	0.834	-0.462	0.049	-0.215	0.759	-0.537	0.069	-0.304	33	
34	0.823	-0.477	0.052	-0.221	0.75	-0.547	0.073	-0.311	34	
35	0.813	-0.492	0.054	-0.227	0.74	-0.556	0.078	-0.318	35	
36	0.802	-0.507	0.057	-0.232	0.731	-0.566	0.083	-0.325	36	
37	0.79	-0.521	0.059	-0.238	0.721	-0.575	0.088	-0.332	37	
38	0.779	-0.535	0.062	-0.244	0.711	-0.584	0.092	-0.338	38	
39	0.767	-0.549	0.065	-0.249	0.701	-0.593	0.097	-0.344	39	
40	0.755	-0.562	0.068	-0.254	0.691	-0.602	0.103	-0.35	40	

$\alpha = 0, \beta = 0.25$					$\alpha = 0, \beta = -0.25$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
41	0.743	-0.575	0.07	-0.26	0.68	-0.611	0.108	-0.356	41	
42	0.73	-0.587	0.073	-0.265	0.669	-0.619	0.113	-0.362	42	
43	0.718	-0.599	0.076	-0.27	0.659	-0.627	0.118	-0.367	43	
44	0.705	-0.611	0.079	-0.275	0.648	-0.635	0.123	-0.373	44	
45	0.692	-0.622	0.082	-0.28	0.637	-0.643	0.129	-0.378	45	
46	0.679	-0.633	0.085	-0.285	0.626	-0.651	0.134	-0.383	46	
47	0.665	-0.644	0.088	-0.29	0.614	-0.658	0.139	-0.388	47	
48	0.652	-0.654	0.091	-0.294	0.603	-0.665	0.145	-0.392	48	
49	0.638	-0.664	0.095	-0.299	0.592	-0.672	0.15	-0.397	49	
50	0.624	-0.673	0.098	-0.303	0.58	-0.679	0.156	-0.401	50	
51	0.61	-0.682	0.101	-0.308	0.568	-0.685	0.161	-0.405	51	
52	0.597	-0.691	0.104	-0.312	0.556	-0.691	0.166	-0.409	52	
53	0.582	-0.699	0.108	-0.316	0.545	-0.697	0.172	-0.413	53	
54	0.568	-0.707	0.111	-0.32	0.533	-0.703	0.177	-0.417	54	
55	0.554	-0.714	0.114	-0.324	0.521	-0.708	0.183	-0.42	55	
56	0.54	-0.722	0.117	-0.328	0.508	-0.713	0.188	-0.423	56	
57	0.525	-0.728	0.121	-0.331	0.496	-0.718	0.194	-0.426	57	
58	0.511	-0.735	0.124	-0.335	0.484	-0.723	0.199	-0.429	38	
59	0.496	-0.741	0.128	-0.338	0.472	-0.727	0.204	-0.432	59	
60	0.482	-0.746	0.131	-0.342	0.46	-0.731	0.21	-0.434	60	
61	0.467	-0.752	0.134	-0.345	0.447	-0.735	0.215	-0.437	61	
62	0.453	-0.756	0.138	-0.348	0.435	-0.739	0.22	-0.439	62	
63	0.438	-0.761	0.141	-0.351	0.423	-0.742	0.225	-0.441	63	
64	0.423	-0.765	0.144	-0.354	0.41	-0.745	0.231	-0.442	64	
65	0.409	-0.769	0.148	-0.356	0.398	-0.748	0.236	-0.444	65	
66	0.394	-0.772	0.151	-0.359	0.385	-0.75	0.241	-0.446	66	
67	0.38	-0.775	0.154	-0.361	0.373	-0.753	0.246	-0.447	67	
68	0.365	-0.778	0.158	-0.364	0.361	-0.755	0.251	-0.448	68	
69	0.351	-0.78	0.161	-0.366	0.348	-0.756	0.255	-0.449	69	
70	0.336	-0.782	0.164	-0.368	0.336	-0.758	0.26	-0.45	70	
71	0.322	-0.784	0.168	-0.37	0.324	-0.759	0.265	-0.45	71	
72	0.308	-0.785	0.171	-0.372	0.312	-0.76	0.27	-0.451	72	
73	0.294	-0.786	0.174	-0.374	0.299	-0.761	0.274	-0.451	73	
74	0.28	-0.787	0.177	-0.375	0.287	-0.761	0.279	-0.451	74	
75	0.266	-0.787	0.18	-0.377	0.275	-0.761	0.283	-0.451	75	

$\alpha = 0, \beta = 0.25$					$\alpha = 0, \beta = -0.25$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
76	0.252	-0.787	0.184	-0.378	0.263	-0.761	0.287	-0.451	76	
77	0.238	-0.786	0.187	-0.379	0.251	-0.761	0.292	-0.451	77	
78	0.224	-0.785	0.19	-0.38	0.239	-0.76	0.296	-0.45	78	
79	0.211	-0.784	0.193	-0.381	0.227	-0.759	0.3	-0.45	79	
80	0.197	-0.783	0.196	-0.382	0.216	-0.758	0.303	-0.449	80	
81	0.184	-0.781	0.199	-0.383	0.204	-0.757	0.307	-0.448	81	
82	0.171	-0.779	0.201	-0.383	0.192	-0.755	0.311	-0.447	82	
83	0.158	-0.777	0.204	-0.384	0.181	-0.753	0.314	-0.446	83	
84	0.145	-0.774	0.207	-0.384	0.169	-0.751	0.318	-0.444	84	
85	0.132	-0.772	0.21	-0.384	0.158	-0.749	0.321	-0.443	85	
86	0.12	-0.768	0.213	-0.384	0.147	-0.746	0.324	-0.441	86	
87	0.108	-0.765	0.215	-0.384	0.136	-0.743	0.327	-0.44	87	
88	0.095	-0.761	0.218	-0.384	0.125	-0.74	0.33	-0.438	88	
89	0.083	-0.757	0.22	-0.384	0.114	-0.737	0.333	-0.436	89	
90	0.072	-0.753	0.223	-0.383	0.104	-0.733	0.336	-0.434	90	
91	0.06	-0.749	0.225	-0.383	0.093	-0.729	0.338	-0.431	91	
92	0.049	-0.744	0.227	-0.382	0.083	-0.725	0.341	-0.429	92	
93	0.037	-0.739	0.23	-0.381	0.073	-0.721	0.343	-0.427	93	
94	0.026	-0.734	0.232	-0.381	0.063	-0.717	0.345	-0.424	94	
95	0.016	-0.728	0.234	-0.38	0.053	-0.712	0.347	-0.421	95	
96	0.005	-0.722	0.236	-0.378	0.043	-0.707	0.349	-0.418	96	
97	-0.005	-0.716	0.238	-0.377	0.034	-0.702	0.351	-0.416	97	
98	-0.015	-0.71	0.24	-0.376	0.024	-0.697	0.352	-0.412	98	
99	-0.025	-0.704	0.241	-0.374	0.015	-0.692	0.354	-0.409	99	
100	-0.035	-0.698	0.243	-0.373	0.006	-0.686	0.355	-0.406	100	
101	-0.044	-0.691	0.245	-0.371	-0.003	-0.68	0.356	-0.403	101	
102	-0.053	-0.684	0.246	-0.369	-0.011	-0.674	0.357	-0.4	102	
103	-0.062	-0.677	0.248	-0.368	-0.02	-0.668	0.358	-0.396	103	
104	-0.071	-0.67	0.249	-0.365	-0.028	-0.662	0.359	-0.393	104	
105	-0.079	-0.662	0.25	-0.363	-0.036	-0.655	0.359	-0.389	105	
106	-0.088	-0.655	0.251	-0.361	-0.044	-0.649	0.36	-0.385	106	
107	-0.095	-0.647	0.252	-0.359	-0.052	-0.642	0.36	-0.381	107	
100	-0.103	-0.639	0.253	-0.357	-0.059	-0.635	0.36	-0.378	108	
109	-0.111	-0.631	0.254	-0.354	-0.067	-0.628	0.36	-0.374	109	
110	-0.118	-0.623	0.255	-0.352	-0.074	-0.621	0.36	-0.37	110	

$\alpha = 0, \beta = 0.25$					$\alpha = 0, \beta = -0.25$					
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
111	-0.125	-0.614	0.256	-0.349	-0.081	-0.613	0.359	-0.366	111	
112	-0.131	-0.606	0.256	-0.346	-0.087	-0.606	0.359	-0.361	112	
113	-0.138	-0.598	0.257	-0.343	-0.094	-0.598	0.358	-0.357	113	
114	-0.144	-0.589	0.257	-0.34	-0.1	-0.59	0.357	-0.353	114	
115	-0.15	-0.58	0.257	-0.338	-0.106	-0.582	0.356	-0.349	115	
116	-0.155	-0.571	0.257	-0.334	-0.112	-0.574	0.355	-0.344	116	
117	-0.161	-0.563	0.257	-0.331	-0.117	-0.566	0.354	-0.34	117	
118	-0.166	-0.554	0.257	-0.328	-0.123	-0.558	0.353	-0.335	118	
119	-0.171	-0.544	0.257	-0.325	-0.128	-0.55	0.351	-0.331	119	
120	-0.175	-0.535	0.257	-0.321	-0.133	-0.541	0.349	-0.326	120	
121	-0.18	-0.526	0.256	-0.318	-0.137	-0.533	0.348	-0.322	121	
122	-0.184	-0.517	0.256	-0.314	-0.142	-0.524	0.346	-0.317	122	
123	-0.188	-0.508	0.255	-0.311	-0.146	-0.516	0.343	-0.313	123	
124	-0.191	-0.498	0.254	-0.307	-0.15	-0.507	0.341	-0.308	124	
125	-0.195	-0.489	0.254	-0.303	-0.154	-0.498	0.339	-0.303	125	
126	-0.198	-0.48	0.253	-0.299	-0.158	-0.489	0.336	-0.298	126	
127	-0.2	-0.47	0.251	-0.295	-0.161	-0.48	0.334	-0.294	127	
128	-0.203	-0.461	0.25	-0.291	-0.164	-0.471	0.331	-0.289	128	
129	-0.205	-0.451	0.249	-0.287	-0.167	-0.462	0.328	-0.284	129	
130	-0.207	-0.442	0.247	-0.283	-0.17	-0.453	0.325	-0.279	130	
131	-0.209	-0.433	0.246	-0.279	-0.172	-0.444	0.321	-0.274	131	
132	-0.211	-0.423	0.244	-0.275	-0.175	-0.435	0.318	-0.269	132	
133	-0.212	-0.414	0.242	-0.271	-0.177	-0.426	0.314	-0.264	133	
134	-0.213	-0.405	0.24	-0.266	-0.179	-0.417	0.311	-0.259	134	
135	-0.214	-0.396	0.237	-0.262	-0.18	-0.407	0.307	-0.255	135	

$\alpha = 0.5, \beta = 0.375$					$\alpha = -0.5, \beta = -0.375$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.751	0.23	-0.014	-0.026	1.087	-0.55	0.062	-0.085	6
7	0.761	0.202	-0.016	-0.031	1.077	-0.548	0.069	-0.099	7
8	0.771	0.175	-0.017	-0.036	1.068	-0.548	0.076	-0.113	8
9	0.779	0.15	-0.018	-0.041	1.058	-0.549	0.082	-0.127	9
10	0.785	0.126	-0.019	-0.046	1.048	-0.553	0.088	-0.14	10
11	0.791	0.102	-0.02	-0.051	1.038	-0.557	0.094	-0.153	11
12	0.795	0.079	-0.021	-0.056	1.027	-0.562	0.1	-0.166	12
13	0.799	0.056	-0.022	-0.062	1.017	-0.568	0.105	-0.178	13
14	0.802	0.034	-0.022	-0.067	1.006	-0.574	0.111	-0.191	14
15	0.804	0.012	-0.023	-0.072	0.995	-0.581	0.116	-0.203	15
16	0.806	-0.009	-0.023	-0.077	0.984	-0.588	0.122	-0.214	16
17	0.807	-0.03	-0.023	-0.083	0.973	-0.596	0.127	-0.226	17
18	0.807	-0.051	-0.023	-0.088	0.962	-0.604	0.133	-0.237	18
19	0.806	-0.071	-0.023	-0.093	0.951	-0.612	0.138	-0.248	19
20	0.805	-0.091	-0.023	-0.099	0.939	-0.62	0.143	-0.259	20
21	0.804	-0.111	-0.023	-0.104	0.928	-0.628	0.149	-0.27	21
22	0.802	-0.13	-0.023	-0.109	0.916	-0.636	0.154	-0.28	22
23	0.799	-0.149	-0.022	-0.115	0.904	-0.644	0.16	-0.29	23
24	0.796	-0.168	-0.022	-0.12	0.893	-0.653	0.165	-0.3	24
25	0.792	-0.187	-0.021	-0.125	0.881	-0.661	0.171	-0.31	25
26	0.788	-0.205	-0.02	-0.131	0.869	-0.669	0.176	-0.319	26
27	0.784	-0.223	-0.02	-0.136	0.857	-0.677	0.181	-0.328	27
28	0.779	-0.24	-0.019	-0.141	0.844	-0.685	0.187	-0.337	28
29	0.773	-0.258	-0.018	-0.147	0.832	-0.693	0.192	-0.346	29
30	0.767	-0.275	-0.017	-0.152	0.82	-0.701	0.198	-0.354	30
31	0.761	-0.292	-0.015	-0.157	0.807	-0.709	0.203	-0.363	31
32	0.755	-0.306	-0.014	-0.162	0.795	-0.716	0.209	-0.37	32
33	0.748	-0.324	-0.013	-0.167	0.782	-0.724	0.214	-0.378	33
34	0.74	-0.34	-0.011	-0.173	0.769	-0.731	0.22	-0.386	34
35	0.733	-0.355	-0.01	-0.178	0.756	-0.738	0.225	-0.393	35
36	0.725	-0.371	-0.008	-0.183	0.744	-0.745	0.231	-0.4	36
37	0.716	-0.385	-0.006	-0.188	0.731	-0.752	0.236	-0.407	37
38	0.708	-0.4	-0.005	-0.193	0.718	-0.758	0.242	-0.413	38
39	0.699	-0.414	-0.003	-0.198	0.705	-0.764	0.247	-0.419	39
40	0.689	-0.428	-0.001	-0.202	0.692	-0.771	0.252	-0.425	40

	$\alpha = 0.5, \beta = 0.375$				$\alpha = -0.5, \beta = -0.375$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.68	-0.442	0.001	-0.207	0.678	-0.776	0.258	-0.431	41
42	0.67	-0.455	0.003	-0.212	0.665	-0.782	0.263	-0.437	42
43	0.66	-0.468	0.005	-0.217	0.652	-0.788	0.269	-0.442	43
44	0.649	-0.48	0.007	-0.221	0.639	-0.793	0.274	-0.447	44
45	0.639	-0.492	0.01	-0.226	0.626	-0.798	0.279	-0.452	45
46	0.628	-0.504	0.012	-0.23	0.612	-0.803	0.284	-0.457	46
47	0.617	-0.516	0.015	-0.235	0.599	-0.807	0.29	-0.461	47
48	0.606	-0.527	0.017	-0.239	0.586	-0.811	0.295	-0.465	48
49	0.594	-0.538	0.02	-0.243	0.572	-0.815	0.3	-0.469	49
50	0.582	-0.548	0.022	-0.248	0.559	-0.819	0.305	-0.473	50
51	0.571	-0.558	0.025	-0.252	0.546	-0.823	0.31	-0.477	51
52	0.559	-0.568	0.028	-0.256	0.532	-0.826	0.315	-0.48	52
53	0.547	-0.577	0.03	-0.26	0.519	-0.829	0.32	-0.483	53
54	0.534	-0.586	0.033	-0.264	0.506	-0.832	0.325	-0.486	54
55	0.522	-0.595	0.036	-0.268	0.492	-0.834	0.329	-0.488	55
56	0.509	-0.603	0.039	-0.271	0.479	-0.837	0.334	-0.491	56
57	0.497	-0.611	0.042	-0.275	0.466	-0.839	0.339	-0.493	57
58	0.484	-0.618	0.045	-0.279	0.453	-0.841	0.343	-0.495	58
89	0.471	-0.625	0.048	-0.282	0.439	-0.842	0.348	-0.497	59
60	0.458	-0.632	0.051	-0.285	0.426	-0.843	0.352	-0.498	60
61	0.445	-0.639	0.054	-0.289	0.413	-0.844	0.356	-0.5	61
62	0.432	-0.645	0.057	-0.292	0.4	-0.845	0.36	-0.501	62
63	0.419	-0.65	0.06	-0.295	0.387	-0.846	0.364	-0.502	63
64	0.406	-0.656	0.063	-0.298	0.374	-0.846	0.368	-0.503	64
65	0.393	-0.661	0.067	-0.301	0.362	-0.846	0.372	-0.503	65
66	0.379	-0.665	0.07	-0.304	0.349	-0.846	0.376	-0.504	66
67	0.366	-0.67	0.073	-0.306	0.336	-0.846	0.38	-0.504	67
68	0.353	-0.674	0.076	-0.309	0.323	-0.845	0.383	-0.504	68
69	0.34	-0.677	0.08	-0.311	0.311	-0.844	0.387	-0.504	69
70	0.327	-0.68	0.083	-0.314	0.299	-0.843	0.39	-0.503	70
71	0.313	-0.683	0.086	-0.316	0.286	-0.842	0.393	-0.503	71
72	0.3	-0.686	0.089	-0.318	0.274	-0.84	0.397	-0.502	72
73	0.287	-0.688	0.093	-0.32	0.262	-0.838	0.4	-0.501	73
74	0.274	-0.69	0.096	-0.322	0.25	-0.836	0.403	-0.5	74
75	0.261	-0.691	0.099	-0.324	0.238	-0.834	0.405	-0.499	75

$\alpha = 0.5, \beta = 0.375$					$\alpha = -0.5, \beta = -0.375$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.248	-0.693	0.103	-0.326	0.226	-0.831	0.408	-0.497	76
77	0.235	-0.693	0.106	-0.328	0.214	-0.828	0.411	-0.496	77
78	0.222	-0.694	0.109	-0.329	0.203	-0.825	0.413	-0.494	78
79	0.21	-0.694	0.112	-0.331	0.191	-0.822	0.415	-0.492	79
80	0.197	-0.694	0.116	-0.332	0.18	-0.819	0.417	-0.49	80
61	0.184	-0.694	0.119	-0.333	0.169	-0.815	0.419	-0.488	81
82	0.172	-0.693	0.122	-0.334	0.158	-0.811	0.421	-0.486	82
83	0.16	-0.692	0.125	-0.335	0.147	-0.807	0.423	-0.484	83
84	0.148	-0.691	0.128	-0.336	0.136	-0.803	0.425	-0.481	84
85	0.135	-0.689	0.131	-0.337	0.126	-0.799	0.426	-0.478	85
86	0.124	-0.687	0.135	-0.337	0.115	-0.794	0.427	-0.476	86
87	0.112	-0.685	0.138	-0.338	0.105	-0.789	0.429	-0.473	87
88	0.1	-0.682	0.141	-0.338	0.095	-0.784	0.43	-0.47	88
89	0.089	-0.68	0.144	-0.339	0.085	-0.779	0.431	-0.466	89
90	0.077	-0.677	0.147	-0.339	0.075	-0.774	0.431	-0.463	90
91	0.066	-0.673	0.149	-0.339	0.065	-0.768	0.432	-0.46	91
92	0.055	-0.67	0.152	-0.339	0.056	-0.762	0.433	-0.456	92
93	0.044	-0.666	0.155	-0.339	0.046	-0.756	0.433	-0.453	93
94	0.034	-0.662	0.158	-0.339	0.037	-0.75	0.433	-0.449	94
95	0.024	-0.658	0.161	-0.338	0.028	-0.744	0.433	-0.445	95
96	0.013	-0.653	0.163	-0.338	0.019	-0.738	0.433	-0.441	96
97	0.003	-0.649	0.166	-0.337	0.01	-0.731	0.433	-0.437	97
90	-0.007	-0.644	0.168	-0.337	0.002	-0.724	0.433	-0.433	98
99	-0.016	-0.639	0.171	-0.336	-0.006	-0.718	0.432	-0.429	99
100	-0.026	-0.633	0.173	-0.335	-0.014	-0.711	0.432	-0.425	100
101	-0.035	-0.628	0.176	-0.334	-0.022	-0.703	0.431	-0.421	101
102	-0.044	-0.622	0.178	-0.333	-0.03	-0.696	0.43	-0.416	102
103	-0.053	-0.616	0.18	-0.332	-0.038	-0.689	0.429	-0.412	103
104	-0.061	-0.61	0.182	-0.33	-0.045	-0.681	0.428	-0.407	104
105	-0.069	-0.604	0.184	-0.329	-0.052	-0.674	0.427	-0.403	105
106	-0.077	-0.597	0.186	-0.328	-0.059	-0.666	0.425	-0.398	106
107	-0.085	-0.591	0.188	-0.326	-0.066	-0.658	0.424	-0.393	107
108	-0.093	-0.584	0.19	-0.324	-0.073	-0.65	0.422	-0.389	108
109	-0.1	-0.577	0.192	-0.323	-0.079	-0.642	0.42	-0.384	109
110	-0.107	-0.57	0.193	-0.321	-0.085	-0.633	0.418	-0.379	110

$\alpha = 0.5, \beta = 0.375$					$\alpha = -0.5, \beta = -0.375$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.114	-0.563	0.195	-0.319	-0.091	-0.625	0.416	-0.374	111
112	-0.121	-0.555	0.196	-0.317	-0.097	-0.617	0.414	-0.369	112
113	-0.127	-0.548	0.198	-0.315	-0.103	-0.608	0.411	-0.364	113
114	-0.133	-0.54	0.199	-0.312	-0.108	-0.6	0.409	-0.359	114
115	-0.139	-0.533	0.2	-0.31	-0.113	-0.591	0.406	-0.354	115
116	-0.145	-0.525	0.201	-0.308	-0.118	-0.582	0.403	-0.349	116
117	-0.15	-0.517	0.202	-0.305	-0.123	-0.573	0.4	-0.344	117
118	-0.155	-0.509	0.203	-0.303	-0.128	-0.564	0.397	-0.339	118
119	-0.16	-0.501	0.204	-0.3	-0.132	-0.555	0.394	-0.334	119
120	-0.165	-0.493	0.205	-0.297	-0.136	-0.546	0.391	-0.329	120
121	-0.169	-0.485	0.205	-0.295	-0.14	-0.537	0.388	-0.323	121
122	-0.173	-0.476	0.206	-0.292	-0.144	-0.528	0.384	-0.318	122
123	-0.177	-0.468	0.206	-0.289	-0.148	-0.519	0.38	-0.313	123
124	-0.181	-0.46	0.206	-0.286	-0.151	-0.51	0.377	-0.308	124
125	-0.184	-0.451	0.206	-0.282	-0.154	-0.5	0.373	-0.302	125
126	-0.187	-0.443	0.206	-0.279	-0.157	-0.491	0.369	-0.297	126
127	-0.19	-0.434	0.206	-0.276	-0.16	-0.482	0.365	-0.292	127
128	-0.193	-0.426	0.206	-0.273	-0.163	-0.472	0.361	-0.287	128
129	-0.195	-0.417	0.206	-0.269	-0.165	-0.463	0.356	-0.281	129
130	-0.197	-0.409	0.205	-0.266	-0.167	-0.453	0.352	-0.276	130
131	-0.199	-0.4	0.204	-0.262	-0.169	-0.444	0.348	-0.271	131
132	-0.201	-0.392	0.204	-0.259	-0.171	-0.434	0.343	-0.266	132
133	-0.202	-0.383	0.203	-0.255	-0.173	-0.425	0.338	-0.26	133
134	-0.204	-0.375	0.202	-0.252	-0.174	-0.415	0.334	-0.255	134
135	-0.205	-0.367	0.2	-0.248	-0.176	-0.405	0.329	-0.25	135

$\alpha = 0.5, \beta = 0.25$					$\alpha = -0.5, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.806	0.141	-0.016	-0.032	1.183	-0.47	0.072	-0.077	6
7	0.813	0.117	-0.018	-0.038	1.17	-0.476	0.08	-0.09	7
8	0.819	0.094	-0.019	-0.044	1.158	-0.484	0.087	-0.102	8
9	0.823	0.071	-0.021	-0.05	1.146	-0.492	0.094	-0.115	9
10	0.827	0.049	-0.022	-0.055	1.134	-0.501	0.1	-0.127	10
11	0.83	0.028	-0.023	-0.061	1.122	-0.511	0.106	-0.139	11
12	0.833	0.007	-0.023	-0.067	1.11	-0.521	0.112	-0.151	12
13	0.834	-0.013	-0.024	-0.073	1.097	-0.531	0.117	-0.163	13
14	0.835	-0.034	-0.024	-0.08	1.085	-0.542	0.123	-0.175	14
15	0.836	-0.053	-0.024	-0.086	1.073	-0.553	0.128	-0.186	15
16	0.836	-0.073	-0.025	-0.092	1.061	-0.564	0.134	-0.197	16
17	0.835	-0.092	-0.025	-0.098	1.049	-0.575	0.139	-0.208	17
18	0.834	-0.111	-0.024	-0.104	1.036	-0.586	0.144	-0.219	18
19	0.832	-0.13	-0.024	-0.11	1.024	-0.597	0.149	-0.229	19
20	0.83	-0.149	-0.024	-0.116	1.011	-0.608	0.154	-0.24	20
21	0.828	-0.167	-0.023	-0.122	0.998	-0.619	0.159	-0.25	21
22	0.825	-0.185	-0.023	-0.128	0.986	-0.63	0.164	-0.26	22
23	0.821	-0.203	-0.022	-0.134	0.973	-0.641	0.169	-0.27	23
24	0.817	-0.22	-0.021	-0.14	0.96	-0.652	0.174	-0.279	24
25	0.813	-0.237	-0.02	-0.146	0.947	-0.662	0.179	-0.289	25
26	0.808	-0.255	-0.019	-0.152	0.933	-0.673	0.184	-0.298	26
27	0.803	-0.271	-0.018	-0.158	0.92	-0.683	0.189	-0.307	27
28	0.797	-0.288	-0.016	-0.164	0.907	-0.693	0.194	-0.315	28
29	0.791	-0.304	-0.015	-0.17	0.893	-0.703	0.199	-0.324	29
30	0.785	-0.32	-0.013	-0.176	0.88	-0.713	0.204	-0.332	30
31	0.778	-0.336	-0.012	-0.181	0.866	-0.723	0.209	-0.34	31
32	0.771	-0.351	-0.01	-0.187	0.852	-0.732	0.214	-0.348	32
33	0.764	-0.367	-0.008	-0.193	0.838	-0.741	0.219	-0.356	33
34	0.756	-0.382	-0.006	-0.199	0.824	-0.75	0.223	-0.363	34
35	0.748	-0.396	-0.004	-0.204	0.81	-0.759	0.228	-0.371	35
36	0.74	-0.411	-0.002	-0.21	0.796	-0.767	0.233	-0.378	36
37	0.731	-0.425	0	-0.215	0.782	-0.775	0.238	-0.385	37
38	0.722	-0.438	0.003	-0.221	0.768	-0.783	0.243	-0.391	38
39	0.713	-0.452	0.005	-0.226	0.754	-0.791	0.248	-0.398	39
40	0.703	-0.465	0.008	-0.231	0.739	-0.798	0.252	-0.404	40

	$\alpha = 0.5, \beta = 0.25$					$\alpha = -0.5, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$		$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.693	-0.478	0.01	-0.236	0.725	-0.805	0.257	-0.41	41	
42	0.683	-0.491	0.013	-0.241	0.71	-0.812	0.262	-0.416	42	
43	0.673	-0.503	0.016	-0.246	0.696	-0.818	0.267	-0.421	43	
44	0.663	-0.515	0.018	-0.251	0.681	-0.825	0.271	-0.427	44	
45	0.652	-0.526	0.021	-0.256	0.667	-0.831	0.276	-0.432	45	
46	0.641	-0.538	0.024	-0.261	0.652	-0.836	0.28	-0.437	46	
47	0.63	-0.549	0.027	-0.266	0.638	-0.842	0.285	-0.442	47	
48	0.618	-0.559	0.03	-0.27	0.623	-0.847	0.29	-0.446	48	
49	0.607	-0.57	0.033	-0.275	0.608	-0.851	0.294	-0.451	49	
50	0.595	-0.58	0.037	-0.279	0.594	-0.856	0.299	-0.455	50	
51	0.583	-0.589	0.04	-0.284	0.579	-0.86	0.303	-0.458	51	
52	0.571	-0.599	0.043	-0.288	0.565	-0.864	0.307	-0.462	52	
53	0.559	-0.608	0.047	-0.292	0.55	-0.868	0.312	-0.466	53	
54	0.547	-0.616	0.05	-0.296	0.536	-0.871	0.316	-0.469	54	
55	0.534	-0.624	0.053	-0.3	0.521	-0.874	0.32	-0.472	55	
56	0.522	-0.632	0.057	-0.304	0.507	-0.877	0.324	-0.475	56	
57	0.509	-0.64	0.06	-0.308	0.492	-0.879	0.328	-0.477	57	
58	0.496	-0.647	0.064	-0.311	0.478	-0.881	0.332	-0.48	58	
59	0.483	-0.654	0.068	-0.315	0.463	-0.883	0.336	-0.482	59	
60	0.47	-0.661	0.071	-0.318	0.449	-0.885	0.34	-0.484	60	
61	0.457	-0.667	0.075	-0.322	0.435	-0.886	0.344	-0.486	61	
62	0.444	-0.673	0.079	-0.325	0.421	-0.887	0.347	-0.488	62	
63	0.431	-0.678	0.082	-0.328	0.406	-0.888	0.351	-0.489	63	
64	0.418	-0.683	0.086	-0.331	0.392	-0.888	0.355	-0.491	64	
65	0.405	-0.688	0.09	-0.334	0.378	-0.888	0.358	-0.492	65	
66	0.392	-0.693	0.093	-0.336	0.365	-0.888	0.362	-0.493	66	
67	0.378	-0.697	0.097	-0.339	0.351	-0.888	0.365	-0.493	67	
68	0.365	-0.701	0.101	-0.342	0.337	-0.887	0.368	-0.494	68	
69	0.352	-0.704	0.105	-0.344	0.324	-0.886	0.371	-0.494	69	
70	0.338	-0.707	0.109	-0.346	0.31	-0.885	0.374	-0.494	70	
71	0.325	-0.71	0.112	-0.348	0.297	-0.884	0.377	-0.495	71	
72	0.312	-0.712	0.116	-0.35	0.283	-0.882	0.38	-0.494	72	
73	0.299	-0.715	0.12	-0.352	0.27	-0.88	0.383	-0.494	73	
74	0.286	-0.716	0.124	-0.354	0.257	-0.878	0.385	-0.493	74	
75	0.273	-0.718	0.127	-0.356	0.244	-0.875	0.388	-0.493	75	

$\alpha = 0.5, \beta = 0.25$					$\alpha = -0.5, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.26	-0.719	0.131	-0.357	0.232	-0.873	0.39	-0.492	76
77	0.247	-0.72	0.135	-0.359	0.219	-0.87	0.393	-0.491	77
78	0.234	-0.72	0.138	-0.36	0.207	-0.866	0.395	-0.49	78
79	0.221	-0.72	0.142	-0.361	0.194	-0.863	0.397	-0.489	79
80	0.208	-0.72	0.146	-0.362	0.182	-0.859	0.399	-0.487	80
81	0.195	-0.72	0.149	-0.363	0.17	-0.855	0.401	-0.486	81
82	0.183	-0.719	0.153	-0.364	0.158	-0.851	0.403	-0.484	82
83	0.17	-0.718	0.156	-0.365	0.146	-0.847	0.404	-0.482	83
84	0.158	-0.717	0.16	-0.365	0.135	-0.842	0.406	-0.48	84
85	0.146	-0.715	0.163	-0.366	0.123	-0.837	0.407	-0.478	85
83	0.134	-0.713	0.167	-0.366	0.112	-0.832	0.409	-0.476	86
87	0.122	-0.711	0.17	-0.366	0.101	-0.827	0.41	-0.473	87
88	0.11	-0.708	0.173	-0.366	0.09	-0.822	0.411	-0.471	88
89	0.099	-0.706	0.176	-0.366	0.08	-0.816	0.412	-0.468	89
90	0.087	-0.703	0.18	-0.366	0.069	-0.81	0.413	-0.465	90
91	0.076	-0.699	0.183	-0.366	0.059	-0.804	0.413	-0.462	91
92	0.065	-0.696	0.186	-0.366	0.049	-0.798	0.414	-0.459	92
93	0.054	-0.692	0.189	-0.365	0.039	-0.792	0.414	-0.456	93
94	0.043	-0.688	0.192	-0.364	0.029	-0.785	0.415	-0.453	94
95	0.032	-0.684	0.195	-0.364	0.019	-0.778	0.415	-0.449	95
96	0.022	-0.679	0.197	-0.363	0.01	-0.771	0.415	-0.446	96
97	0.012	-0.674	0.2	-0.362	0.001	-0.764	0.415	-0.442	97
98	0.002	-0.669	0.203	-0.361	-0.008	-0.757	0.415	-0.439	98
99	-0.008	-0.664	0.205	-0.36	-0.017	-0.75	0.414	-0.435	99
100	-0.018	-0.659	0.208	-0.358	-0.026	-0.742	0.414	-0.431	100
101	-0.027	-0.653	0.21	-0.357	-0.034	-0.734	0.413	-0.427	101
102	-0.036	-0.647	0.212	-0.355	-0.042	-0.727	0.413	-0.423	102
103	-0.045	-0.641	0.215	-0.354	-0.05	-0.719	0.412	-0.419	103
104	-0.054	-0.635	0.217	-0.352	-0.058	-0.711	0.411	-0.415	104
101	-0.063	-0.629	0.219	-0.35	-0.066	-0.702	0.41	-0.411	105
106	-0.071	-0.622	0.22	-0.348	-0.073	-0.694	0.409	-0.407	106
107	-0.079	-0.616	0.222	-0.347	-0.08	-0.685	0.407	-0.402	107
108	-0.087	-0.609	0.224	-0.344	-0.087	-0.677	0.406	-0.398	108
109	-0.094	-0.602	0.226	-0.342	-0.094	-0.668	0.404	-0.393	109
110	-0.102	-0.594	0.227	-0.34	-0.1	-0.659	0.403	-0.389	110

$\alpha = 0.5, \beta = 0.25$					$\alpha = -0.5, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.109	-0.587	0.229	-0.338	-0.106	-0.651	0.401	-0.384	111
112	-0.116	-0.58	0.23	-0.335	-0.112	-0.642	0.399	-0.379	112
113	-0.122	-0.572	0.231	-0.333	-0.118	-0.632	0.397	-0.375	113
114	-0.129	-0.564	0.232	-0.33	-0.124	-0.623	0.395	-0.37	114
115	-0.135	-0.557	0.233	-0.327	-0.129	-0.614	0.392	-0.365	115
116	-0.141	-0.549	0.234	-0.324	-0.135	-0.605	0.39	-0.36	116
117	-0.146	-0.541	0.235	-0.322	-0.139	-0.595	0.388	-0.355	117
118	-0.152	-0.532	0.235	-0.319	-0.144	-0.586	0.385	-0.35	118
119	-0.157	-0.524	0.236	-0.315	-0.149	-0.576	0.382	-0.345	119
120	-0.162	-0.516	0.236	-0.312	-0.153	-0.567	0.379	-0.34	120
121	-0.166	-0.507	0.237	-0.309	-0.157	-0.557	0.376	-0.335	121
122	-0.171	-0.499	0.237	-0.306	-0.161	-0.547	0.373	-0.33	122
123	-0.175	-0.49	0.237	-0.302	-0.165	-0.538	0.37	-0.325	123
124	-0.179	-0.482	0.237	-0.299	-0.168	-0.528	0.366	-0.32	124
125	-0.182	-0.473	0.236	-0.296	-0.171	-0.518	0.363	-0.315	125
126	-0.186	-0.464	0.236	-0.292	-0.174	-0.508	0.359	-0.309	126
127	-0.189	-0.456	0.236	-0.288	-0.177	-0.498	0.356	-0.304	127
128	-0.192	-0.447	0.235	-0.285	-0.18	-0.489	0.352	-0.299	128
129	-0.194	-0.438	0.234	-0.281	-0.182	-0.479	0.348	-0.294	129
130	-0.197	-0.429	0.233	-0.277	-0.184	-0.469	0.344	-0.288	130
131	-0.199	-0.421	0.232	-0.273	-0.186	-0.459	0.34	-0.283	131
132	-0.201	-0.412	0.231	-0.269	-0.188	-0.449	0.336	-0.278	132
133	-0.203	-0.403	0.23	-0.265	-0.189	-0.439	0.331	-0.272	133
134	-0.204	-0.395	0.228	-0.261	-0.191	-0.429	0.327	-0.267	134
135	-0.205	-0.386	0.226	-0.257	-0.192	-0.419	0.322	-0.262	135

$\alpha = 0.5, \beta = -0.125$					$\alpha = -0.5, \beta = 0.125$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.827	-0.117	-0.024	-0.047	1.303	-0.132	0.085	-0.048	6
7	0.828	-0.125	-0.027	-0.055	1.291	-0.163	0.093	-0.057	7
8	0.829	-0.134	-0.028	-0.063	1.279	-0.196	0.1	-0.066	8
9	0.829	-0.145	-0.03	-0.071	1.267	-0.224	0.106	-0.075	9
10	0.829	-0.155	-0.031	-0.079	1.255	-0.251	0.112	-0.084	10
11	0.828	-0.166	-0.032	-0.087	1.243	-0.277	0.118	-0.093	11
12	0.828	-0.178	-0.032	-0.095	1.231	-0.301	0.123	-0.101	12
13	0.826	-0.189	-0.032	-0.103	1.219	-0.325	0.128	-0.111	13
14	0.825	-0.201	-0.032	-0.111	1.207	-0.348	0.132	-0.119	14
15	0.823	-0.213	-0.032	-0.119	1.195	-0.371	0.137	-0.127	15
16	0.821	-0.225	-0.032	-0.127	1.182	-0.393	0.141	-0.136	16
17	0.818	-0.238	-0.031	-0.135	1.17	-0.414	0.145	-0.144	17
18	0.815	-0.25	-0.03	-0.143	1.157	-0.435	0.149	-0.153	18
19	0.812	-0.262	-0.029	-0.151	1.144	-0.455	0.153	-0.161	19
20	0.809	-0.275	-0.028	-0.159	1.13	-0.475	0.157	-0.169	20
21	0.805	-0.287	-0.027	-0.167	1.117	-0.495	0.16	-0.177	21
22	0.801	-0.299	-0.025	-0.175	1.103	-0.513	0.164	-0.185	22
23	0.796	-0.312	-0.023	-0.182	1.09	-0.532	0.167	-0.193	23
24	0.792	-0.324	-0.021	-0.19	1.076	-0.55	0.171	-0.201	24
25	0.787	-0.336	-0.019	-0.197	1.061	-0.567	0.174	-0.209	25
26	0.782	-0.349	-0.017	-0.205	1.047	-0.584	0.177	-0.217	26
27	0.776	-0.361	-0.015	-0.212	1.032	-0.601	0.18	-0.224	27
28	0.77	-0.373	-0.012	-0.219	1.018	-0.617	0.184	-0.232	28
29	0.764	-0.385	-0.009	-0.226	1.003	-0.633	0.187	-0.239	29
30	0.758	-0.396	-0.006	-0.233	0.988	-0.649	0.19	-0.247	30
31	0.751	-0.408	-0.003	-0.24	0.972	-0.663	0.193	-0.254	31
32	0.744	-0.42	0	-0.247	0.957	-0.678	0.196	-0.261	32
33	0.737	-0.431	0.003	-0.254	0.941	-0.692	0.199	-0.268	33
34	0.73	-0.443	0.007	-0.261	0.923	-0.706	0.202	-0.275	34
35	0.722	-0.454	0.01	-0.267	0.909	-0.719	0.205	-0.282	35
36	0.714	-0.465	0.014	-0.274	0.893	-0.732	0.208	-0.288	36
37	0.706	-0.476	0.018	-0.28	0.877	-0.744	0.211	-0.295	37
38	0.698	-0.486	0.022	-0.286	0.861	-0.756	0.214	-0.301	38
39	0.69	-0.497	0.026	-0.292	0.845	-0.767	0.216	-0.307	39
40	0.681	-0.507	0.03	-0.298	0.828	-0.778	0.219	-0.313	40

	$\alpha = 0.5, \beta = -0.125$					$\alpha = -0.5, \beta = 0.125$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
41	0.672	-0.517	0.034	-0.304	0.812	-0.789	0.222	-0.319	41	
42	0.663	-0.527	0.038	-0.31	0.795	-0.799	0.225	-0.325	42	
43	0.653	-0.537	0.042	-0.315	0.778	-0.809	0.228	-0.331	43	
44	0.644	-0.546	0.047	-0.321	0.761	-0.818	0.231	-0.336	44	
45	0.634	-0.555	0.051	-0.326	0.744	-0.827	0.233	-0.342	45	
46	0.624	-0.564	0.056	-0.331	0.728	-0.836	0.236	-0.347	46	
47	0.614	-0.573	0.061	-0.336	0.711	-0.844	0.239	-0.352	47	
48	0.604	-0.582	0.065	-0.341	0.694	-0.852	0.242	-0.357	48	
49	0.593	-0.59	0.07	-0.346	0.677	-0.859	0.244	-0.362	49	
50	0.583	-0.598	0.075	-0.35	0.66	-0.866	0.247	-0.367	50	
51	0.572	-0.606	0.08	-0.355	0.643	-0.872	0.25	-0.371	51	
52	0.561	-0.614	0.085	-0.359	0.625	-0.878	0.252	-0.375	52	
53	0.55	-0.621	0.09	-0.363	0.608	-0.884	0.255	-0.38	53	
54	0.539	-0.628	0.095	-0.367	0.591	-0.889	0.258	-0.384	54	
55	0.528	-0.635	0.1	-0.371	0.574	-0.894	0.26	-0.388	55	
56	0.517	-0.642	0.105	-0.374	0.558	-0.898	0.263	-0.391	56	
57	0.505	-0.648	0.11	-0.378	0.541	-0.902	0.265	-0.395	57	
58	0.494	-0.654	0.115	-0.381	0.524	-0.906	0.268	-0.399	58	
59	0.482	-0.66	0.121	-0.384	0.507	-0.909	0.27	-0.402	59	
60	0.47	-0.665	0.126	-0.388	0.49	-0.912	0.273	-0.405	60	
61	0.459	-0.671	0.131	-0.39	0.474	-0.914	0.275	-0.408	61	
62	0.447	-0.676	0.136	-0.393	0.457	-0.916	0.277	-0.411	62	
63	0.435	-0.68	0.141	-0.396	0.44	-0.918	0.28	-0.413	63	
64	0.423	-0.685	0.146	-0.398	0.424	-0.919	0.282	-0.416	64	
65	0.411	-0.689	0.152	-0.4	0.408	-0.92	0.284	-0.418	65	
66	0.399	-0.693	0.157	-0.403	0.392	-0.921	0.286	-0.421	66	
67	0.387	-0.697	0.162	-0.405	0.376	-0.921	0.288	-0.423	67	
68	0.375	-0.7	0.167	-0.406	0.36	-0.921	0.291	-0.425	68	
69	0.363	-0.703	0.172	-0.408	0.344	-0.92	0.293	-0.426	69	
70	0.35	-0.706	0.177	-0.409	0.328	-0.92	0.295	-0.428	70	
71	0.338	-0.708	0.182	-0.411	0.313	-0.918	0.297	-0.429	71	
72	0.326	-0.71	0.187	-0.412	0.297	-0.917	0.299	-0.431	72	
73	0.314	-0.712	0.192	-0.413	0.282	-0.915	0.301	-0.432	73	
74	0.302	-0.714	0.196	-0.414	0.267	-0.913	0.302	-0.433	74	
75	0.29	-0.715	0.201	-0.415	0.252	-0.91	0.304	-0.434	75	

	$\alpha = 0.5, \beta = -0.125$					$\alpha = -0.5, \beta = 0.125$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
76	0.278	-0.716	0.206	-0.415	0.237	-0.908	0.306	-0.434	76	
77	0.266	-0.717	0.211	-0.416	0.223	-0.905	0.308	-0.435	77	
78	0.254	-0.718	0.215	-0.416	0.208	-0.901	0.309	-0.435	78	
79	0.242	-0.718	0.22	-0.416	0.194	-0.898	0.311	-0.435	79	
80	0.23	-0.718	0.224	-0.416	0.18	-0.894	0.312	-0.435	80	
81	0.218	-0.718	0.229	-0.416	0.166	-0.889	0.314	-0.435	81	
82	0.207	-0.717	0.233	-0.416	0.153	-0.885	0.315	-0.435	82	
83	0.195	-0.716	0.237	-0.416	0.14	-0.88	0.317	-0.435	83	
84	0.183	-0.715	0.241	-0.415	0.126	-0.875	0.318	-0.435	84	
85	0.172	-0.714	0.245	-0.414	0.113	-0.87	0.319	-0.434	85	
86	0.161	-0.712	0.249	-0.414	0.101	-0.864	0.32	-0.433	86	
87	0.149	-0.711	0.253	-0.413	0.088	-0.859	0.321	-0.432	87	
88	0.138	-0.709	0.257	-0.412	0.076	-0.853	0.322	-0.431	88	
89	0.127	-0.706	0.26	-0.41	0.064	-0.846	0.323	-0.43	89	
90	0.116	-0.704	0.264	-0.409	0.052	-0.84	0.324	-0.429	90	
91	0.105	-0.701	0.267	-0.408	0.04	-0.833	0.325	-0.428	91	
92	0.095	-0.698	0.271	-0.406	0.029	-0.826	0.326	-0.426	92	
93	0.084	-0.694	0.274	-0.404	0.018	-0.819	0.326	-0.424	93	
94	0.074	-0.691	0.277	-0.403	0.007	-0.812	0.327	-0.423	94	
95	0.064	-0.687	0.28	-0.401	-0.004	-0.805	0.327	-0.421	95	
96	0.053	-0.683	0.283	-0.399	-0.014	-0.797	0.328	-0.419	96	
97	0.044	-0.679	0.285	-0.397	-0.024	-0.789	0.328	-0.417	97	
98	0.034	-0.675	0.288	-0.394	-0.034	-0.781	0.328	-0.415	98	
99	0.024	-0.67	0.29	-0.392	-0.044	-0.773	0.329	-0.412	99	
100	0.015	-0.665	0.293	-0.39	-0.053	-0.764	0.329	-0.41	100	
101	0.006	-0.66	0.295	-0.387	-0.062	-0.756	0.329	-0.407	101	
102	-0.004	-0.655	0.297	-0.384	-0.071	-0.747	0.329	-0.405	102	
103	-0.012	-0.649	0.299	-0.382	-0.08	-0.739	0.329	-0.402	103	
104	-0.021	-0.644	0.301	-0.379	-0.088	-0.73	0.328	-0.399	104	
105	-0.03	-0.638	0.302	-0.376	-0.096	-0.721	0.328	-0.396	105	
106	-0.038	-0.632	0.304	-0.373	-0.104	-0.711	0.328	-0.393	106	
107	-0.046	-0.626	0.305	-0.37	-0.112	-0.702	0.327	-0.39	107	
108	-0.054	-0.619	0.306	-0.366	-0.119	-0.693	0.327	-0.387	108	
109	-0.062	-0.613	0.308	-0.363	-0.126	-0.683	0.326	-0.383	109	
110	-0.069	-0.606	0.308	-0.36	-0.133	-0.674	0.325	-0.38	110	

$\alpha = 0.5, \beta = -0.125$					$\alpha = -0.5, \beta = 0.125$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.077	-0.599	0.309	-0.356	-0.14	-0.664	0.324	-0.377	111
112	-0.084	-0.592	0.31	-0.353	-0.146	-0.654	0.323	-0.373	112
113	-0.09	-0.585	0.31	-0.349	-0.152	-0.644	0.322	-0.369	113
114	-0.097	-0.578	0.311	-0.346	-0.158	-0.634	0.321	-0.366	114
115	-0.103	-0.571	0.311	-0.342	-0.163	-0.624	0.32	-0.362	115
116	-0.11	-0.563	0.311	-0.338	-0.169	-0.614	0.319	-0.358	116
117	-0.116	-0.556	0.311	-0.334	-0.174	-0.604	0.317	-0.354	117
118	-0.121	-0.548	0.311	-0.33	-0.178	-0.594	0.316	-0.35	118
119	-0.127	-0.54	0.31	-0.326	-0.183	-0.584	0.314	-0.346	119
120	-0.132	-0.532	0.31	-0.323	-0.187	-0.573	0.312	-0.342	120
121	-0.137	-0.524	0.309	-0.318	-0.191	-0.563	0.311	-0.338	121
122	-0.142	-0.516	0.308	-0.314	-0.195	-0.553	0.309	-0.333	122
123	-0.147	-0.508	0.307	-0.31	-0.198	-0.542	0.307	-0.329	123
124	-0.151	-0.499	0.306	-0.306	-0.202	-0.532	0.305	-0.325	124
125	-0.155	-0.491	0.305	-0.302	-0.205	-0.522	0.302	-0.32	125
126	-0.159	-0.482	0.303	-0.297	-0.207	-0.511	0.3	-0.316	126
127	-0.163	-0.474	0.302	-0.293	-0.21	-0.501	0.298	-0.311	127
128	-0.166	-0.465	0.3	-0.289	-0.212	-0.49	0.295	-0.306	128
129	-0.169	-0.456	0.298	-0.284	-0.214	-0.48	0.293	-0.302	129
130	-0.172	-0.448	0.296	-0.28	-0.216	-0.47	0.29	-0.297	130
131	-0.175	-0.439	0.294	-0.275	-0.218	-0.459	0.287	-0.292	131
132	-0.178	-0.43	0.291	-0.271	-0.219	-0.449	0.284	-0.287	132
133	-0.18	-0.422	0.289	-0.266	-0.22	-0.439	0.281	-0.282	133
134	-0.182	-0.413	0.286	-0.261	-0.221	-0.429	0.277	-0.277	134
135	-0.184	-0.404	0.283	-0.257	-0.222	-0.419	0.274	-0.272	135

$\alpha = 0.75, \beta = 0.438$					$\alpha = -0.75, \beta = -0.438$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.658	0.274	-0.018	-0.021	1.303	-0.824	0.192	-0.089	6
7	0.672	0.247	-0.02	-0.025	1.279	-0.821	0.208	-0.107	7
8	0.684	0.222	-0.022	-0.029	1.256	-0.82	0.223	-0.126	8
9	0.695	0.197	-0.024	-0.033	1.235	-0.82	0.236	-0.144	9
10	0.704	0.173	-0.025	-0.038	1.214	-0.821	0.248	-0.161	10
11	0.712	0.15	-0.027	-0.042	1.193	-0.823	0.259	-0.178	11
12	0.719	0.128	-0.028	-0.047	1.173	-0.826	0.269	-0.194	12
13	0.725	0.106	-0.029	-0.051	1.154	-0.83	0.279	-0.21	13
14	0.73	0.084	-0.03	-0.056	1.135	-0.834	0.287	-0.225	14
15	0.734	0.063	-0.031	-0.06	1.116	-0.839	0.296	-0.24	15
16	0.738	0.042	-0.032	-0.065	1.097	-0.844	0.303	-0.254	16
17	0.74	0.021	-0.033	-0.069	1.078	-0.849	0.311	-0.269	17
18	0.742	0.001	-0.034	-0.074	1.06	-0.855	0.318	-0.282	18
19	0.744	-0.019	-0.034	-0.079	1.042	-0.861	0.325	-0.296	19
20	0.744	-0.038	-0.034	-0.084	1.024	-0.867	0.331	-0.309	20
21	0.744	-0.05	-0.035	-0.088	1.006	-0.873	0.338	-0.321	21
22	0.744	-0.077	-0.035	-0.093	0.988	-0.879	0.344	-0.333	22
23	0.743	-0.096	-0.035	-0.098	0.97	-0.884	0.35	-0.345	23
24	0.741	-0.114	-0.035	-0.103	0.952	-0.89	0.355	-0.357	24
25	0.739	-0.133	-0.035	-0.108	0.935	-0.896	0.361	-0.363	25
26	0.737	-0.151	-0.035	-0.112	0.917	-0.901	0.366	-0.378	26
27	0.734	-0.169	-0.034	-0.117	0.9	-0.907	0.371	-0.389	27
28	0.73	-0.186	-0.034	-0.122	0.883	-0.912	0.377	-0.399	28
29	0.726	-0.203	-0.033	-0.127	0.865	-0.917	0.382	-0.408	29
30	0.721	-0.22	-0.033	-0.132	0.848	-0.922	0.386	-0.418	30
31	0.717	-0.237	-0.032	-0.137	0.831	-0.926	0.391	-0.426	31
32	0.711	-0.253	-0.031	-0.141	0.814	-0.931	0.396	-0.435	32
43	0.705	-0.269	-0.03	-0.146	0.798	-0.935	0.4	-0.443	33
34	0.699	-0.285	-0.029	-0.151	0.781	-0.939	0.405	-0.451	34
35	0.693	-0.301	-0.028	-0.156	0.764	-0.942	0.409	-0.459	35
36	0.686	-0.316	-0.027	-0.16	0.748	-0.946	0.413	-0.466	36
37	0.679	-0.331	-0.026	-0.165	0.731	-0.949	0.417	-0.473	37
30	0.671	-0.345	-0.025	-0.169	0.715	-0.952	0.421	-0.479	38
39	0.663	-0.36	-0.023	-0.174	0.699	-0.955	0.425	-0.486	39
40	0.655	-0.374	-0.022	-0.179	0.683	-0.957	0.429	-0.492	40

	$\alpha = 0.75, \beta = 0.438$					$\alpha = -0.75, \beta = -0.438$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$	
41	0.647	-0.387	-0.02	-0.183	0.667	-0.96	0.433	-0.497	41	
42	0.638	-0.401	-0.019	-0.188	0.651	-0.962	0.437	-0.503	42	
43	0.629	-0.414	-0.017	-0.192	0.635	-0.963	0.44	-0.508	43	
44	0.62	-0.426	-0.015	-0.196	0.619	-0.965	0.444	-0.512	44	
45	0.61	-0.439	-0.013	-0.201	0.604	-0.966	0.447	-0.517	45	
46	0.6	-0.451	-0.011	-0.205	0.589	-0.967	0.45	-0.521	46	
47	0.59	-0.462	-0.009	-0.209	0.573	-0.968	0.453	-0.525	47	
48	0.58	-0.474	-0.007	-0.214	0.558	-0.968	0.457	-0.528	48	
49	0.569	-0.485	-0.005	-0.218	0.543	-0.969	0.46	-0.532	49	
50	0.558	-0.495	-0.003	-0.222	0.528	-0.969	0.462	-0.535	50	
51	0.548	-0.506	-0.001	-0.226	0.513	-0.969	0.465	-0.538	51	
52	0.536	-0.516	0.002	-0.23	0.498	-0.968	0.468	-0.54	52	
53	0.525	-0.525	0.004	-0.233	0.484	-0.968	0.471	-0.542	53	
54	0.514	-0.534	0.007	-0.237	0.469	-0.967	0.473	-0.544	54	
55	0.502	-0.543	0.009	-0.241	0.455	-0.966	0.476	-0.546	55	
56	0.49	-0.552	0.012	-0.245	0.441	-0.964	0.478	-0.548	56	
57	0.479	-0.56	0.014	-0.248	0.427	-0.963	0.48	-0.549	57	
58	0.467	-0.568	0.017	-0.252	0.413	-0.961	0.483	-0.55	58	
59	0.454	-0.575	0.02	-0.255	0.399	-0.959	0.485	-0.551	59	
60	0.442	-0.582	0.023	-0.258	0.386	-0.957	0.487	-0.552	60	
61	0.43	-0.589	0.025	-0.262	0.372	-0.954	0.488	-0.552	61	
62	0.418	-0.596	0.028	-0.265	0.359	-0.952	0.49	-0.552	62	
63	0.405	-0.602	0.031	-0.268	0.345	-0.949	0.492	-0.552	63	
64	0.393	-0.607	0.034	-0.271	0.332	-0.946	0.494	-0.552	64	
65	0.38	-0.613	0.037	-0.274	0.319	-0.943	0.495	-0.551	65	
66	0.368	-0.618	0.04	-0.277	0.307	-0.939	0.496	-0.55	66	
67	0.355	-0.622	0.043	-0.279	0.294	-0.936	0.498	-0.55	67	
68	0.342	-0.627	0.046	-0.282	0.282	-0.932	0.499	-0.549	68	
69	0.33	-0.631	0.049	-0.285	0.269	-0.928	0.5	-0.547	69	
70	0.317	-0.634	0.052	-0.287	0.257	-0.924	0.501	-0.546	70	
71	0.305	-0.637	0.055	-0.29	0.245	-0.919	0.502	-0.544	71	
72	0.292	-0.64	0.058	-0.292	0.233	-0.915	0.503	-0.542	72	
73	0.279	-0.643	0.061	-0.294	0.221	-0.91	0.503	-0.54	73	
74	0.267	-0.645	0.065	-0.296	0.21	-0.905	0.504	-0.538	74	
75	0.254	-0.647	0.068	-0.298	0.198	-0.9	0.504	-0.536	75	

$\alpha = 0.75, \beta = 0.438$					$\alpha = -0.75, \beta = -0.438$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.242	-0.649	0.071	-0.3	0.187	-0.895	0.505	-0.533	76
77	0.229	-0.65	0.074	-0.302	0.176	-0.89	0.505	-0.531	77
78	0.217	-0.651	0.077	-0.304	0.165	-0.884	0.505	-0.528	78
79	0.205	-0.652	0.08	-0.305	0.154	-0.878	0.505	-0.525	79
80	0.193	-0.652	0.084	-0.307	0.144	-0.873	0.505	-0.522	80
81	0.181	-0.652	0.087	-0.308	0.133	-0.867	0.505	-0.519	81
82	0.169	-0.652	0.09	-0.309	0.123	-0.861	0.505	-0.515	82
83	0.157	-0.651	0.093	-0.31	0.113	-0.854	0.504	-0.512	83
84	0.145	-0.65	0.096	-0.312	0.103	-0.848	0.504	-0.508	84
85	0.133	-0.649	0.099	-0.313	0.093	-0.841	0.503	-0.505	85
86	0.122	-0.648	0.102	-0.313	0.083	-0.835	0.503	-0.501	86
87	0.11	-0.646	0.105	-0.314	0.074	-0.828	0.502	-0.497	87
88	0.099	-0.644	0.109	-0.315	0.065	-0.821	0.501	-0.493	88
89	0.088	-0.642	0.112	-0.315	0.056	-0.814	0.5	-0.489	89
90	0.077	-0.639	0.115	-0.316	0.047	-0.807	0.499	-0.485	90
93	0.066	-0.636	0.118	-0.316	0.038	-0.799	0.497	-0.48	91
92	0.055	-0.633	0.121	-0.316	0.029	-0.792	0.496	-0.476	92
93	0.045	-0.63	0.123	-0.317	0.021	-0.784	0.494	-0.471	93
94	0.035	-0.626	0.126	-0.317	0.012	-0.777	0.493	-0.467	94
95	0.025	-0.622	0.129	-0.317	0.004	-0.769	0.491	-0.462	95
96	0.015	-0.619	0.132	-0.316	-0.004	-0.761	0.489	-0.457	96
97	0.005	-0.614	0.135	-0.316	-0.011	-0.753	0.487	-0.453	97
98	-0.005	-0.61	0.137	-0.316	-0.019	-0.745	0.485	-0.448	98
99	-0.014	-0.605	0.14	-0.315	-0.026	-0.737	0.483	-0.443	99
100	-0.023	-0.6	0.142	-0.315	-0.034	-0.728	0.481	-0.438	100
101	-0.032	-0.595	0.145	-0.314	-0.041	-0.72	0.479	-0.433	101
102	-0.041	-0.59	0.147	-0.313	-0.048	-0.712	0.476	-0.428	102
103	-0.049	-0.584	0.15	-0.313	-0.054	-0.703	0.473	-0.422	103
104	-0.058	-0.579	0.152	-0.312	-0.061	-0.695	0.471	-0.417	104
105	-0.066	-0.573	0.154	-0.311	-0.067	-0.686	0.468	-0.412	105
106	-0.074	-0.567	0.157	-0.309	-0.073	-0.677	0.465	-0.407	106
107	-0.081	-0.561	0.159	-0.308	-0.079	-0.668	0.462	-0.401	107
108	-0.089	-0.555	0.161	-0.307	-0.085	-0.659	0.459	-0.396	108
109	-0.096	-0.548	0.163	-0.305	-0.091	-0.65	0.456	-0.39	109
110	-0.103	-0.542	0.165	-0.304	-0.096	-0.641	0.452	-0.385	110

$\alpha = 0.75, \beta = 0.438$					$\alpha = -0.75, \beta = -0.438$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.11	-0.535	0.167	-0.302	-0.102	-0.632	0.449	-0.38	111
112	-0.116	-0.528	0.168	-0.3	-0.107	-0.623	0.445	-0.374	112
113	-0.123	-0.521	0.17	-0.299	-0.112	-0.614	0.442	-0.369	113
114	-0.129	-0.514	0.172	-0.297	-0.116	-0.604	0.438	-0.363	114
115	-0.134	-0.507	0.173	-0.295	-0.121	-0.595	0.434	-0.357	115
116	-0.14	-0.499	0.175	-0.293	-0.125	-0.586	0.43	-0.352	116
117	-0.145	-0.492	0.176	-0.291	-0.129	-0.576	0.426	-0.346	117
118	-0.15	-0.484	0.177	-0.288	-0.133	-0.567	0.422	-0.341	118
119	-0.155	-0.477	0.178	-0.286	-0.137	-0.557	0.418	-0.335	119
120	-0.16	-0.469	0.179	-0.283	-0.141	-0.548	0.413	-0.33	120
121	-0.164	-0.461	0.18	-0.281	-0.144	-0.538	0.409	-0.324	121
122	-0.168	-0.454	0.181	-0.279	-0.147	-0.529	0.404	-0.318	122
123	-0.172	-0.446	0.182	-0.276	-0.151	-0.519	0.4	-0.313	123
124	-0.175	-0.438	0.183	-0.273	-0.153	-0.509	0.395	-0.307	124
125	-0.179	-0.43	0.183	-0.27	-0.156	-0.5	0.39	-0.302	125
126	-0.182	-0.422	0.184	-0.268	-0.159	-0.49	0.386	-0.296	126
127	-0.185	-0.414	0.184	-0.265	-0.161	-0.48	0.381	-0.291	127
128	-0.187	-0.406	0.184	-0.262	-0.163	-0.471	0.376	-0.285	128
129	-0.19	-0.398	0.184	-0.259	-0.165	-0.461	0.371	-0.28	129
130	-0.192	-0.39	0.184	-0.255	-0.167	-0.451	0.365	-0.274	130
131	-0.194	-0.382	0.184	-0.252	-0.169	-0.442	0.36	-0.268	131
132	-0.195	-0.374	0.183	-0.249	-0.17	-0.432	0.355	-0.263	132
133	-0.197	-0.366	0.183	-0.246	-0.171	-0.422	0.35	-0.257	133
134	-0.198	-0.358	0.182	-0.242	-0.172	-0.412	0.344	-0.252	134
135	-0.199	-0.35	0.181	-0.239	-0.173	-0.402	0.339	-0.246	135

$\alpha = 0.75, \beta = 0.25$					$\alpha = -0.75, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.751	0.152	-0.022	-0.029	1.503	-0.689	0.221	-0.058	6
7	0.759	0.13	-0.024	-0.034	1.471	-0.704	0.239	-0.075	7
8	0.765	0.108	-0.026	-0.04	1.442	-0.718	0.254	-0.091	8
9	0.771	0.087	-0.028	-0.045	1.415	-0.73	0.268	-0.107	9
10	0.776	0.067	-0.03	-0.051	1.389	-0.743	0.28	-0.122	10
11	0.78	0.047	-0.031	-0.057	1.364	-0.755	0.292	-0.137	11
12	0.783	0.027	-0.032	-0.062	1.34	-0.767	0.302	-0.152	12
13	0.786	0.008	-0.034	-0.068	1.317	-0.778	0.311	-0.166	13
34	0.788	-0.011	-0.035	-0.074	1.294	-0.79	0.319	-0.18	14
15	0.79	-0.03	-0.035	-0.079	1.272	-0.802	0.327	-0.194	15
16	0.791	-0.049	-0.036	-0.085	1.25	-0.813	0.334	-0.208	16
17	0.791	-0.067	-0.036	-0.091	1.229	-0.825	0.341	-0.221	17
18	0.791	-0.085	-0.037	-0.097	1.208	-0.836	0.348	-0.234	18
19	0.791	-0.103	-0.037	-0.103	1.187	-0.847	0.354	-0.247	19
20	0.79	-0.121	-0.037	-0.109	1.166	-0.858	0.36	-0.259	20
21	0.788	-0.139	-0.037	-0.114	1.145	-0.868	0.365	-0.271	21
22	0.786	-0.156	-0.036	-0.12	1.125	-0.879	0.37	-0.283	22
23	0.784	-0.173	-0.036	-0.126	1.104	-0.889	0.375	-0.294	23
24	0.781	-0.19	-0.036	-0.132	1.084	-0.898	0.38	-0.305	24
25	0.777	-0.207	-0.035	-0.138	1.064	-0.908	0.385	-0.316	25
26	0.774	-0.223	-0.034	-0.143	1.044	-0.917	0.389	-0.327	26
27	0.77	-0.24	-0.033	-0.149	1.024	-0.926	0.393	-0.337	27
28	0.765	-0.256	-0.032	-0.155	1.004	-0.934	0.397	-0.347	29
29	0.76	-0.272	-0.031	-0.161	0.984	-0.942	0.401	-0.356	29
30	0.755	-0.287	-0.03	-0.166	0.965	-0.95	0.404	-0.366	30
31	0.749	-0.303	-0.029	-0.172	0.945	-0.957	0.408	-0.375	31
32	0.743	-0.318	-0.027	-0.178	0.926	-0.965	0.411	-0.384	32
33	0.737	-0.333	-0.025	-0.183	0.906	-0.971	0.415	-0.392	33
34	0.73	-0.348	-0.024	-0.189	0.887	-0.978	0.418	-0.4	34
35	0.723	-0.362	-0.022	-0.194	0.868	-0.984	0.421	-0.408	35
36	0.715	-0.376	-0.02	-0.2	0.849	-0.989	0.424	-0.416	36
37	0.708	-0.39	-0.018	-0.205	0.83	-0.994	0.426	-0.423	37
38	0.7	-0.404	-0.016	-0.21	0.811	-0.999	0.429	-0.43	38
39	0.691	-0.417	-0.014	-0.216	0.793	-1.004	0.432	-0.437	39
40	0.683	-0.43	-0.011	-0.221	0.774	-1.008	0.434	-0.444	40

	$\alpha = 0.75, \beta = 0.25$				$\alpha = -0.75, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.674	-0.443	-0.009	-0.226	0.756	-1.012	0.437	-0.45	41
42	0.665	-0.456	-0.007	-0.231	0.737	-1.016	0.439	-0.456	42
43	0.655	-0.468	-0.004	-0.236	0.719	-1.019	0.441	-0.462	43
44	0.646	-0.48	-0.001	-0.241	0.701	-1.022	0.443	-0.468	44
45	0.636	-0.492	0.001	-0.246	0.683	-1.024	0.445	-0.473	45
46	0.626	-0.503	0.004	-0.251	0.665	-1.027	0.448	-0.478	46
47	0.615	-0.514	0.007	-0.255	0.647	-1.028	0.449	-0.483	47
48	0.605	-0.525	0.01	-0.26	0.63	-1.03	0.451	-0.487	48
49	0.594	-0.535	0.013	-0.264	0.612	-1.031	0.453	-0.491	49
50	0.583	-0.545	0.016	-0.269	0.595	-1.032	0.455	-0.495	50
51	0.572	-0.555	0.019	-0.273	0.578	-1.033	0.457	-0.499	51
52	0.561	-0.564	0.023	-0.277	0.561	-1.033	0.458	-0.503	52
53	0.549	-0.574	0.026	-0.282	0.544	-1.033	0.46	-0.506	53
54	0.538	-0.582	0.029	-0.286	0.527	-1.033	0.461	-0.509	54
55	0.526	-0.591	0.033	-0.29	0.511	-1.032	0.463	-0.512	55
56	0.514	-0.599	0.036	-0.294	0.494	-1.031	0.464	-0.514	56
57	0.502	-0.607	0.04	-0.297	0.478	-1.03	0.465	-0.517	57
59	0.49	-0.614	0.043	-0.301	0.462	-1.029	0.466	-0.519	58
59	0.478	-0.622	0.047	-0.305	0.446	-1.027	0.467	-0.521	59
60	0.465	-0.628	0.05	-0.308	0.43	-1.025	0.469	-0.522	60
61	0.453	-0.635	0.054	-0.311	0.414	-1.023	0.47	-0.524	61
62	0.44	-0.641	0.058	-0.315	0.399	-1.021	0.471	-0.525	62
63	0.428	-0.647	0.062	-0.318	0.384	-1.018	0.471	-0.526	63
64	0.415	-0.652	0.065	-0.321	0.369	-1.015	0.472	-0.527	64
65	0.402	-0.657	0.069	-0.324	0.354	-1.012	0.473	-0.527	65
66	0.39	-0.662	0.073	-0.327	0.339	-1.008	0.474	-0.528	66
67	0.377	-0.667	0.077	-0.329	0.325	-1.004	0.474	-0.528	67
68	0.364	-0.671	0.081	-0.332	0.31	-1.001	0.475	-0.528	68
69	0.351	-0.675	0.085	-0.334	0.296	-0.996	0.475	-0.528	69
70	0.338	-0.678	0.088	-0.337	0.282	-0.992	0.476	-0.527	70
71	0.326	-0.681	0.092	-0.339	0.268	-0.987	0.476	-0.527	71
72	0.313	-0.684	0.096	-0.341	0.254	-0.983	0.477	-0.526	72
73	0.3	-0.687	0.1	-0.343	0.241	-0.978	0.477	-0.525	73
74	0.287	-0.689	0.104	-0.345	0.228	-0.973	0.477	-0.524	74
75	0.275	-0.691	0.108	-0.347	0.215	-0.967	0.477	-0.523	75

$\alpha = 0.75, \beta = 0.25$					$\alpha = -0.75, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.262	-0.692	0.112	-0.348	0.202	-0.962	0.477	-0.521	76
77	0.249	-0.694	0.115	-0.35	0.189	-0.956	0.477	-0.52	77
78	0.237	-0.694	0.119	-0.351	0.177	-0.95	0.477	-0.518	78
79	0.224	-0.695	0.123	-0.352	0.164	-0.944	0.477	-0.516	79
80	0.212	-0.695	0.127	-0.353	0.152	-0.937	0.476	-0.514	80
81	0.199	-0.695	0.131	-0.355	0.14	-0.931	0.476	-0.512	81
82	0.187	-0.695	0.134	-0.356	0.128	-0.924	0.476	-0.51	82
83	0.175	-0.694	0.138	-0.356	0.117	-0.917	0.475	-0.507	83
84	0.163	-0.693	0.142	-0.357	0.106	-0.91	0.475	-0.505	84
85	0.151	-0.692	0.145	-0.358	0.094	-0.903	0.474	-0.502	85
86	0.139	-0.691	0.149	-0.358	0.083	-0.896	0.473	-0.499	86
87	0.127	-0.689	0.153	-0.358	0.073	-0.888	0.473	-0.496	87
88	0.116	-0.687	0.156	-0.359	0.062	-0.881	0.472	-0.493	88
89	0.104	-0.685	0.159	-0.359	0.052	-0.873	0.471	-0.49	89
90	0.093	-0.682	0.163	-0.359	0.042	-0.865	0.47	-0.486	90
91	0.082	-0.679	0.166	-0.358	0.032	-0.857	0.469	-0.483	91
92	0.071	-0.676	0.169	-0.358	0.022	-0.849	0.467	-0.479	92
93	0.06	-0.673	0.173	-0.358	0.013	-0.841	0.466	-0.476	93
94	0.049	-0.669	0.176	-0.357	0.003	-0.832	0.465	-0.472	94
95	0.039	-0.665	0.179	-0.357	-0.006	-0.824	0.463	-0.468	95
96	0.029	-0.661	0.182	-0.356	-0.015	-0.815	0.462	-0.464	96
97	0.018	-0.657	0.185	-0.355	-0.024	-0.806	0.46	-0.46	97
98	0.008	-0.653	0.188	-0.354	-0.032	-0.797	0.458	-0.456	98
99	-0.001	-0.648	0.191	-0.353	-0.04	-0.788	0.456	-0.452	99
700	-0.011	-0.643	0.193	-0.352	-0.048	-0.779	0.455	-0.447	100
101	-0.02	-0.637	0.196	-0.351	-0.056	-0.77	0.452	-0.443	101
102	-0.029	-0.632	0.198	-0.349	-0.064	-0.761	0.45	-0.438	102
103	-0.038	-0.627	0.201	-0.348	-0.071	-0.752	0.448	-0.434	103
104	-0.047	-0.621	0.203	-0.346	-0.079	-0.742	0.446	-0.429	104
105	-0.056	-0.615	0.206	-0.344	-0.086	-0.733	0.444	-0.425	105
106	-0.064	-0.609	0.208	-0.343	-0.092	-0.723	0.441	-0.42	106
107	-0.072	-0.602	0.21	-0.341	-0.099	-0.713	0.439	-0.415	107
108	-0.08	-0.596	0.212	-0.339	-0.105	-0.703	0.436	-0.41	108
109	-0.088	-0.589	0.214	-0.337	-0.112	-0.694	0.433	-0.405	109
110	-0.095	-0.582	0.216	-0.335	-0.118	-0.684	0.43	-0.4	110

$\alpha = 0.75, \beta = 0.25$					$\alpha = -0.75, \beta = -0.25$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.102	-0.575	0.217	-0.332	-0.123	-0.674	0.427	-0.395	111
112	-0.109	-0.568	0.219	-0.33	-0.129	-0.664	0.424	-0.39	112
113	-0.116	-0.561	0.22	-0.328	-0.134	-0.654	0.421	-0.385	113
114	-0.122	-0.554	0.222	-0.325	-0.139	-0.643	0.418	-0.38	114
115	-0.129	-0.546	0.223	-0.323	-0.144	-0.633	0.415	-0.375	115
116	-0.134	-0.539	0.224	-0.32	-0.149	-0.623	0.412	-0.37	116
117	-0.14	-0.531	0.225	-0.317	-0.153	-0.613	0.408	-0.364	117
118	-0.146	-0.523	0.226	-0.314	-0.157	-0.602	0.404	-0.359	118
119	-0.151	-0.515	0.227	-0.311	-0.162	-0.592	0.401	-0.354	119
120	-0.156	-0.507	0.227	-0.308	-0.165	-0.582	0.397	-0.348	120
121	-0.161	-0.499	0.228	-0.305	-0.169	-0.571	0.393	-0.343	121
122	-0.165	-0.491	0.228	-0.302	-0.172	-0.561	0.389	-0.338	122
123	-0.169	-0.483	0.229	-0.299	-0.176	-0.551	0.385	-0.332	123
124	-0.173	-0.474	0.229	-0.295	-0.179	-0.54	0.381	-0.327	124
125	-0.177	-0.466	0.229	-0.292	-0.181	-0.53	0.377	-0.321	125
126	-0.181	-0.458	0.229	-0.289	-0.184	-0.519	0.373	-0.316	126
127	-0.184	-0.449	0.229	-0.285	-0.186	-0.509	0.368	-0.31	127
128	-0.187	-0.441	0.228	-0.281	-0.189	-0.498	0.364	-0.305	128
129	-0.19	-0.432	0.228	-0.278	-0.191	-0.488	0.36	-0.299	129
130	-0.192	-0.424	0.227	-0.274	-0.192	-0.477	0.355	-0.294	130
131	-0.195	-0.415	0.226	-0.27	-0.194	-0.467	0.35	-0.288	131
132	-0.197	-0.407	0.225	-0.266	-0.195	-0.456	0.346	-0.282	132
133	-0.198	-0.398	0.224	-0.262	-0.197	-0.446	0.341	-0.277	133
134	-0.2	-0.39	0.223	-0.259	-0.198	-0.435	0.336	-0.271	134
135	-0.201	-0.381	0.221	-0.255	-0.199	-0.425	0.331	-0.265	135

$\alpha = 0.75, \beta = -0.063$					$\alpha = -0.75, \beta = 0.063$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
6	0.785	-0.052	-0.029	-0.04	1.657	-0.346	0.244	-0.01	6
7	0.788	-0.063	-0.031	-0.048	1.627	-0.394	0.261	-0.022	7
8	0.79	-0.074	-0.034	-0.055	1.598	-0.435	0.276	-0.035	8
9	0.791	-0.086	-0.036	-0.062	1.571	-0.47	0.288	-0.046	9
10	0.793	-0.098	-0.038	-0.07	1.545	-0.502	0.298	-0.058	10
11	0.793	-0.11	-0.039	-0.077	1.519	-0.532	0.309	-0.07	11
12	0.794	-0.122	-0.04	-0.084	1.494	-0.559	0.319	-0.081	12
13	0.794	-0.135	-0.041	-0.092	1.47	-0.584	0.326	-0.092	13
14	0.794	-0.148	-0.042	-0.099	1.448	-0.608	0.332	-0.102	14
15	0.793	-0.161	-0.042	-0.106	1.425	-0.632	0.338	-0.114	15
16	0.792	-0.173	-0.043	-0.114	1.402	-0.654	0.343	-0.125	16
17	0.791	-0.186	-0.043	-0.121	1.379	-0.676	0.349	-0.137	17
18	0.789	-0.199	-0.042	-0.128	1.356	-0.697	0.354	-0.148	18
19	0.787	-0.213	-0.042	-0.136	1.334	-0.716	0.359	-0.158	19
20	0.784	-0.226	-0.041	-0.143	1.312	-0.735	0.363	-0.169	20
21	0.782	-0.239	-0.04	-0.15	1.29	-0.753	0.367	-0.179	21
22	0.779	-0.252	-0.04	-0.157	1.268	-0.771	0.371	-0.188	22
23	0.775	-0.265	-0.038	-0.165	1.246	-0.788	0.374	-0.198	23
24	0.772	-0.277	-0.037	-0.172	1.224	-0.804	0.377	-0.207	24
25	0.768	-0.29	-0.035	-0.179	1.203	-0.82	0.379	-0.217	25
26	0.763	-0.303	-0.034	-0.186	1.181	-0.835	0.382	-0.226	26
27	0.759	-0.316	-0.032	-0.193	1.16	-0.85	0.384	-0.235	27
28	0.754	-0.328	-0.03	-0.2	1.138	-0.864	0.386	-0.245	28
29	0.749	-0.341	-0.028	-0.207	1.117	-0.878	0.387	-0.253	29
30	0.743	-0.353	-0.025	-0.213	1.095	-0.891	0.389	-0.262	30
31	0.737	-0.366	-0.023	-0.22	1.074	-0.903	0.391	-0.271	31
32	0.731	-0.378	-0.02	-0.227	1.052	-0.915	0.392	-0.28	32
33	0.725	-0.39	-0.018	-0.233	1.031	-0.927	0.393	-0.288	33
34	0.718	-0.402	-0.015	-0.239	1.009	-0.937	0.394	-0.296	34
35	0.711	-0.413	-0.012	-0.246	0.988	-0.948	0.395	-0.304	35
36	0.704	-0.425	-0.009	-0.252	0.967	-0.958	0.396	-0.312	36
37	0.697	-0.436	-0.005	-0.258	0.945	-0.967	0.397	-0.32	37
38	0.689	-0.448	-0.002	-0.264	0.924	-0.976	0.398	-0.327	38
39	0.681	-0.459	0.001	-0.27	0.903	-0.984	0.399	-0.334	39
40	0.673	-0.469	0.005	-0.276	0.882	-0.992	0.4	-0.342	40

$\alpha = 0.75, \beta = -0.063$					$\alpha = -0.75, \beta = 0.063$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
41	0.665	-0.48	0.009	-0.282	0.86	-0.999	0.4	-0.348	41
42	0.656	-0.491	0.013	-0.287	0.839	-1.006	0.401	-0.355	42
43	0.647	-0.501	0.017	-0.293	0.819	-1.012	0.402	-0.362	43
44	0.638	-0.511	0.021	-0.298	0.798	-1.018	0.402	-0.368	44
45	0.629	-0.521	0.025	-0.303	0.777	-1.023	0.402	-0.374	45
46	0.62	-0.53	0.029	-0.308	0.756	-1.028	0.403	-0.38	46
47	0.61	-0.54	0.033	-0.313	0.736	-1.032	0.403	-0.386	47
48	0.6	-0.549	0.037	-0.318	0.716	-1.036	0.403	-0.391	48
49	0.591	-0.558	0.042	-0.323	0.695	-1.04	0.404	-0.397	49
50	0.58	-0.566	0.046	-0.328	0.675	-1.043	0.404	-0.402	50
51	0.57	-0.575	0.051	-0.332	0.655	-1.046	0.404	-0.407	51
52	0.56	-0.583	0.056	-0.337	0.635	-1.048	0.404	-0.411	52
53	0.549	-0.591	0.06	-0.341	0.616	-1.05	0.404	-0.416	53
54	0.538	-0.598	0.065	-0.345	0.596	-1.051	0.404	-0.42	54
55	0.527	-0.606	0.07	-0.349	0.577	-1.052	0.404	-0.424	55
56	0.516	-0.613	0.074	-0.353	0.558	-1.053	0.404	-0.428	56
57	0.505	-0.62	0.079	-0.356	0.539	-1.053	0.404	-0.432	57
58	0.494	-0.626	0.084	-0.36	0.52	-1.053	0.404	-0.435	58
59	0.483	-0.633	0.089	-0.363	0.501	-1.052	0.404	-0.439	59
60	0.471	-0.639	0.094	-0.366	0.483	-1.051	0.404	-0.442	60
61	0.46	-0.644	0.099	-0.369	0.464	-1.05	0.404	-0.445	61
62	0.448	-0.65	0.104	-0.373	0.446	-1.049	0.404	-0.448	62
63	0.436	-0.655	0.109	-0.375	0.429	-1.047	0.404	-0.45	63
64	0.424	-0.66	0.114	-0.378	0.411	-1.045	0.404	-0.452	64
65	0.413	-0.665	0.119	-0.38	0.393	-1.042	0.403	-0.455	65
66	0.401	-0.669	0.124	-0.383	0.376	-1.039	0.403	-0.457	66
67	0.389	-0.673	0.129	-0.385	0.359	-1.036	0.403	-0.458	67
68	0.377	-0.677	0.134	-0.387	0.342	-1.033	0.403	-0.46	68
69	0.365	-0.68	0.139	-0.389	0.326	-1.029	0.403	-0.461	69
70	0.353	-0.684	0.144	-0.391	0.31	-1.025	0.402	-0.463	70
71	0.341	-0.687	0.149	-0.393	0.293	-1.021	0.402	-0.464	71
72	0.329	-0.689	0.154	-0.394	0.277	-1.016	0.402	-0.465	72
73	0.317	-0.692	0.158	-0.395	0.262	-1.011	0.401	-0.465	73
74	0.305	-0.694	0.163	-0.396	0.246	-1.006	0.401	-0.466	74
75	0.293	-0.696	0.168	-0.398	0.231	-1.001	0.401	-0.466	75

$\alpha = 0.75, \beta = -0.063$					$\alpha = -0.75, \beta = 0.063$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
76	0.281	-0.697	0.173	-0.399	0.216	-0.995	0.4	-0.467	76
77	0.269	-0.698	0.178	-0.399	0.202	-0.989	0.4	-0.467	77
78	0.257	-0.699	0.182	-0.4	0.187	-0.983	0.4	-0.467	78
79	0.245	-0.7	0.187	-0.4	0.173	-0.977	0.399	-0.466	79
80	0.233	-0.7	0.191	-0.401	0.159	-0.97	0.399	-0.466	80
81	0.221	-0.7	0.196	-0.401	0.145	-0.964	0.398	-0.465	81
82	0.21	-0.7	0.2	-0.401	0.132	-0.957	0.398	-0.465	82
83	0.198	-0.7	0.205	-0.401	0.118	-0.95	0.397	-0.464	83
84	0.186	-0.699	0.209	-0.401	0.105	-0.942	0.396	-0.463	84
85	0.175	-0.698	0.213	-0.401	0.092	-0.935	0.396	-0.462	85
86	0.163	-0.697	0.217	-0.4	0.08	-0.927	0.395	-0.46	86
87	0.152	-0.695	0.221	-0.399	0.068	-0.919	0.394	-0.459	87
88	0.141	-0.694	0.225	-0.399	0.056	-0.911	0.394	-0.457	88
89	0.13	-0.692	0.229	-0.398	0.044	-0.903	0.393	-0.456	89
90	0.119	-0.69	0.233	-0.397	0.032	-0.894	0.392	-0.454	90
93	0.108	-0.687	0.236	-0.396	0.021	-0.886	0.391	-0.452	91
92	0.097	-0.684	0.24	-0.394	0.01	-0.877	0.39	-0.45	92
93	0.087	-0.681	0.243	-0.393	-0.001	-0.868	0.39	-0.448	93
94	0.076	-0.678	0.247	-0.392	-0.011	-0.859	0.389	-0.445	94
95	0.066	-0.675	0.25	-0.39	-0.021	-0.85	0.388	-0.443	95
96	0.056	-0.671	0.253	-0.389	-0.031	-0.841	0.386	-0.44	96
97	0.046	-0.667	0.256	-0.387	-0.041	-0.831	0.385	-0.438	97
98	0.036	-0.663	0.259	-0.385	-0.051	-0.822	0.384	-0.435	98
99	0.026	-0.659	0.262	-0.383	-0.06	-0.812	0.383	-0.432	99
100	0.017	-0.654	0.265	-0.381	-0.069	-0.803	0.382	-0.429	100
101	0.007	-0.649	0.267	-0.379	-0.077	-0.793	0.38	-0.426	101
102	-0.002	-0.644	0.27	-0.376	-0.086	-0.783	0.379	-0.423	102
103	-0.011	-0.639	0.272	-0.374	-0.094	-0.773	0.377	-0.42	103
104	-0.02	-0.634	0.274	-0.371	-0.102	-0.762	0.376	-0.416	104
105	-0.028	-0.628	0.276	-0.369	-0.11	-0.752	0.374	-0.413	105
106	-0.037	-0.622	0.278	-0.366	-0.117	-0.742	0.373	-0.409	106
107	-0.045	-0.617	0.28	-0.363	-0.124	-0.732	0.371	-0.406	107
108	-0.053	-0.611	0.281	-0.36	-0.131	-0.721	0.369	-0.402	108
109	-0.061	-0.604	0.283	-0.357	-0.138	-0.711	0.367	-0.398	109
110	-0.068	-0.598	0.284	-0.354	-0.144	-0.7	0.365	-0.394	110

$\alpha = 0.75, \beta = -0.063$					$\alpha = -0.75, \beta = 0.063$				
$\omega$	$c_R$	$c_I$	$d_R$	$d_I$	$c_R$	$c_I$	$d_R$	$d_I$	$\omega$
111	-0.076	-0.591	0.286	-0.351	-0.15	-0.689	0.363	-0.39	111
112	-0.083	-0.584	0.287	-0.348	-0.156	-0.679	0.361	-0.386	112
113	-0.09	-0.578	0.288	-0.345	-0.162	-0.668	0.359	-0.382	113
114	-0.097	-0.571	0.288	-0.341	-0.167	-0.657	0.357	-0.378	114
115	-0.103	-0.563	0.289	-0.338	-0.172	-0.646	0.355	-0.374	115
116	-0.11	-0.556	0.29	-0.334	-0.177	-0.635	0.352	-0.369	116
117	-0.116	-0.549	0.29	-0.331	-0.182	-0.624	0.35	-0.365	117
118	-0.121	-0.541	0.29	-0.327	-0.186	-0.613	0.348	-0.36	118
119	-0.127	-0.533	0.29	-0.323	-0.19	-0.602	0.345	-0.356	119
120	-0.132	-0.526	0.29	-0.319	-0.194	-0.591	0.342	-0.351	120
121	-0.138	-0.518	0.29	-0.316	-0.198	-0.581	0.34	-0.347	121
122	-0.142	-0.51	0.289	-0.312	-0.201	-0.57	0.337	-0.342	122
123	-0.147	-0.502	0.289	-0.308	-0.204	-0.559	0.334	-0.337	123
124	-0.152	-0.494	0.288	-0.304	-0.207	-0.548	0.331	-0.332	124
125	-0.156	-0.485	0.287	-0.3	-0.21	-0.537	0.328	-0.328	125
126	-0.16	-0.477	0.286	-0.296	-0.213	-0.526	0.325	-0.323	126
127	-0.164	-0.469	0.285	-0.291	-0.215	-0.515	0.322	-0.318	127
128	-0.167	-0.46	0.284	-0.287	-0.217	-0.504	0.318	-0.313	128
129	-0.17	-0.452	0.283	-0.283	-0.219	-0.493	0.315	-0.308	129
130	-0.173	-0.443	0.281	-0.279	-0.22	-0.482	0.311	-0.303	130
131	-0.176	-0.435	0.279	-0.274	-0.222	-0.471	0.308	-0.297	131
132	-0.179	-0.426	0.277	-0.27	-0.223	-0.46	0.304	-0.292	132
133	-0.181	-0.417	0.275	-0.266	-0.224	-0.45	0.3	-0.287	133
134	-0.183	-0.409	0.273	-0.261	-0.225	-0.439	0.296	-0.281	134
135	-0.185	-0.4	0.27	-0.257	-0.225	-0.428	0.292	-0.276	135