



MECH-113A

## SEE BELOW FOR SIGN CORRECTIONS REQUIRED TO USE THE TABLES

### 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: In the tables below the sign of  $C_i$  and the sign of  $D_i$  are incorrect. The sign of  $C_i$  and the sign of  $D_i$  should be changed.

The angle  $\omega$  is given in degrees.

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

# KINKING OF A CRACK OUT OF AN INTERFACE

## 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

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

where  $\bar{(\quad)}$  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

$$\alpha = [G_1(1-\nu_2) - G_2(1-\nu_1)]/[G_1(1-\nu_2) + G_2(1-\nu_1)] \quad (2)$$

$$\beta = \frac{1}{2} [G_1(1-2\nu_2) - G_2(1-2\nu_1)]/[G_1(1-\nu_2) + G_2(1-\nu_1)] \quad (3)$$

where  $G$  and  $\nu$  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.

---

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

## 1.

## 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

2.

$\alpha = 0.000$					$\alpha = 0.800$				
$\beta = 0.450$					$\beta = 0.450$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
6	0.994	-0.104	0.002	-0.052	0.640	-0.281	-0.018	0.020	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	-0.230	-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	-0.190	0.007	-0.095	0.697	-0.159	-0.028	0.040	11
12	0.975	-0.207	0.009	-0.104	0.704	-0.137	-0.029	0.045	12
13	0.970	-0.224	0.010	-0.112	0.711	-0.115	-0.030	0.049	13
14	0.966	-0.240	0.012	-0.120	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	0.950	-0.289	0.018	-0.145	0.727	-0.031	-0.034	0.067	17
18	0.944	-0.306	0.020	-0.153	0.730	-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	0.090	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	0.730	0.104	-0.037	0.100	24
25	0.893	-0.414	0.037	-0.208	0.729	0.123	-0.037	0.104	25
26	0.885	-0.428	0.040	-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	-0.230	0.720	0.176	-0.036	0.118	28
29	0.858	-0.471	0.050	-0.238	0.716	0.193	-0.036	0.123	29
30	0.849	-0.485	0.053	-0.245	0.712	0.210	-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	0.060	-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	-0.550	0.070	-0.278	0.685	0.290	-0.031	0.151	35
36	0.787	-0.562	0.074	-0.285	0.678	0.306	-0.030	0.156	36
37	0.776	-0.574	0.078	-0.291	0.671	0.321	-0.029	0.160	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	0.090	-0.309	0.648	0.363	-0.025	0.174	40

## 3.

$\alpha = 0.000$					$\beta = 0.000$					$\alpha = 0.800$					$\beta = 0.450$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.730	-0.619	0.094	-0.315	41	0.640	0.377	-0.024	0.178	41	0.640	0.377	-0.024	0.178	41	0.640	0.377	-0.024	0.178	41
42	0.718	-0.630	0.098	-0.321	42	0.631	0.391	-0.022	0.183	42	0.631	0.391	-0.022	0.183	42	0.631	0.391	-0.022	0.183	42
43	0.706	-0.640	0.102	-0.326	43	0.623	0.404	-0.021	0.187	43	0.623	0.404	-0.021	0.187	43	0.623	0.404	-0.021	0.187	43
44	0.694	-0.650	0.106	-0.332	44	0.613	0.416	-0.019	0.192	44	0.613	0.416	-0.019	0.192	44	0.613	0.416	-0.019	0.192	44
45	0.681	-0.660	0.110	-0.337	45	0.604	0.429	-0.017	0.196	45	0.604	0.429	-0.017	0.196	45	0.604	0.429	-0.017	0.196	45
46	0.668	-0.669	0.114	-0.342	46	0.594	0.441	-0.015	0.200	46	0.594	0.441	-0.015	0.200	46	0.594	0.441	-0.015	0.200	46
47	0.656	-0.678	0.119	-0.347	47	0.584	0.452	-0.013	0.204	47	0.584	0.452	-0.013	0.204	47	0.584	0.452	-0.013	0.204	47
48	0.643	-0.687	0.123	-0.352	48	0.574	0.464	-0.011	0.208	48	0.574	0.464	-0.011	0.208	48	0.574	0.464	-0.011	0.208	48
49	0.630	-0.695	0.127	-0.357	49	0.564	0.475	-0.009	0.213	49	0.564	0.475	-0.009	0.213	49	0.564	0.475	-0.009	0.213	49
50	0.617	-0.703	0.132	-0.361	50	0.553	0.485	-0.007	0.217	50	0.553	0.485	-0.007	0.217	50	0.553	0.485	-0.007	0.217	50
51	0.603	-0.711	0.136	-0.366	51	0.543	0.496	-0.005	0.220	51	0.543	0.496	-0.005	0.220	51	0.543	0.496	-0.005	0.220	51
52	0.590	-0.719	0.140	-0.370	52	0.532	0.506	-0.003	0.224	52	0.532	0.506	-0.003	0.224	52	0.532	0.506	-0.003	0.224	52
53	0.577	-0.726	0.145	-0.374	53	0.521	0.515	0.000	0.228	53	0.521	0.515	0.000	0.228	53	0.521	0.515	0.000	0.228	53
54	0.563	-0.733	0.149	-0.378	54	0.509	0.525	0.002	0.232	54	0.509	0.525	0.002	0.232	54	0.509	0.525	0.002	0.232	54
55	0.550	-0.739	0.154	-0.382	55	0.498	0.534	0.005	0.236	55	0.498	0.534	0.005	0.236	55	0.498	0.534	0.005	0.236	55
56	0.536	-0.745	0.158	-0.385	56	0.486	0.542	0.007	0.239	56	0.486	0.542	0.007	0.239	56	0.486	0.542	0.007	0.239	56
57	0.522	-0.751	0.162	-0.389	57	0.475	0.550	0.010	0.243	57	0.475	0.550	0.010	0.243	57	0.475	0.550	0.010	0.243	57
58	0.508	-0.757	0.167	-0.392	58	0.463	0.558	0.012	0.247	58	0.463	0.558	0.012	0.247	58	0.463	0.558	0.012	0.247	58
59	0.495	-0.762	0.171	-0.395	59	0.451	0.566	0.015	0.250	59	0.451	0.566	0.015	0.250	59	0.451	0.566	0.015	0.250	59
60	0.481	-0.767	0.176	-0.399	60	0.439	0.573	0.017	0.253	60	0.439	0.573	0.017	0.253	60	0.439	0.573	0.017	0.253	60
61	0.467	-0.771	0.180	-0.402	61	0.427	0.580	0.020	0.256	61	0.427	0.580	0.020	0.256	61	0.427	0.580	0.020	0.256	61
62	0.453	-0.776	0.184	-0.404	62	0.414	0.586	0.023	0.260	62	0.414	0.586	0.023	0.260	62	0.414	0.586	0.023	0.260	62
63	0.439	-0.779	0.189	-0.407	63	0.402	0.592	0.026	0.263	63	0.402	0.592	0.026	0.263	63	0.402	0.592	0.026	0.263	63
64	0.425	-0.783	0.193	-0.409	64	0.390	0.598	0.029	0.266	64	0.390	0.598	0.029	0.266	64	0.390	0.598	0.029	0.266	64
65	0.412	-0.786	0.197	-0.412	65	0.377	0.603	0.032	0.269	65	0.377	0.603	0.032	0.269	65	0.377	0.603	0.032	0.269	65
66	0.398	-0.789	0.202	-0.414	66	0.365	0.608	0.035	0.271	66	0.365	0.608	0.035	0.271	66	0.365	0.608	0.035	0.271	66
67	0.384	-0.792	0.206	-0.416	67	0.352	0.613	0.038	0.274	67	0.352	0.613	0.038	0.274	67	0.352	0.613	0.038	0.274	67
68	0.370	-0.794	0.210	-0.418	68	0.340	0.617	0.040	0.277	68	0.340	0.617	0.040	0.277	68	0.340	0.617	0.040	0.277	68
69	0.356	-0.796	0.214	-0.419	69	0.327	0.621	0.043	0.279	69	0.327	0.621	0.043	0.279	69	0.327	0.621	0.043	0.279	69
70	0.343	-0.798	0.218	-0.421	70	0.315	0.625	0.047	0.282	70	0.315	0.625	0.047	0.282	70	0.315	0.625	0.047	0.282	70
71	0.329	-0.799	0.222	-0.422	71	0.302	0.628	0.050	0.284	71	0.302	0.628	0.050	0.284	71	0.302	0.628	0.050	0.284	71
72	0.315	-0.800	0.226	-0.424	72	0.290	0.631	0.053	0.287	72	0.290	0.631	0.053	0.287	72	0.290	0.631	0.053	0.287	72
73	0.302	-0.801	0.230	-0.425	73	0.277	0.634	0.056	0.289	73	0.277	0.634	0.056	0.289	73	0.277	0.634	0.056	0.289	73
74	0.288	-0.801	0.234	-0.426	74	0.265	0.636	0.059	0.291	74	0.265	0.636	0.059	0.291	74	0.265	0.636	0.059	0.291	74
75	0.275	-0.801	0.238	-0.426	75	0.253	0.638	0.062	0.293	75	0.253	0.638	0.062	0.293	75	0.253	0.638	0.062	0.293	75

4.

$\alpha = 0.000$		$\beta = 0.000$		$\alpha = 0.800$		$\beta = 0.450$			
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
76	0.261	-0.801	0.242	-0.427	0.240	0.640	0.065	0.295	76
77	0.248	-0.800	0.245	-0.427	0.228	0.641	0.068	0.297	77
78	0.235	-0.800	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	0.300	79
80	0.209	-0.797	0.256	-0.428	0.191	0.644	0.078	0.302	80
81	0.196	-0.795	0.260	-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	0.090	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	0.640	0.096	0.308	86
87	0.122	-0.779	0.278	-0.425	0.110	0.638	0.099	0.309	87
88	0.111	-0.776	0.281	-0.424	0.099	0.636	0.103	0.310	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	-0.420	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	0.120	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	0.300	-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	-0.400	-0.032	0.588	0.139	0.310	101
102	-0.035	-0.701	0.310	-0.397	-0.040	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	-0.680	0.313	-0.389	-0.065	0.567	0.149	0.307	105
106	-0.070	-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	-0.100	-0.641	0.316	-0.373	-0.102	0.536	0.159	0.300	110

5,

$\alpha = 0.000$					$\beta = 0.000$					$\alpha = 0.800$					$\beta = 0.450$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
111	-0.107	-0.633	0.316	-0.369	111	-0.109	0.529	0.161	0.299	111	-0.109	0.529	0.161	0.299	111	-0.107	-0.633	0.316	-0.369	111
112	-0.114	-0.625	0.316	-0.366	112	-0.115	0.522	0.163	0.297	112	-0.115	0.522	0.163	0.297	112	-0.114	-0.625	0.316	-0.366	112
113	-0.121	-0.617	0.316	-0.362	113	-0.122	0.515	0.165	0.295	113	-0.122	0.515	0.165	0.295	113	-0.121	-0.617	0.316	-0.362	113
114	-0.127	-0.608	0.315	-0.358	114	-0.128	0.508	0.166	0.293	114	-0.128	0.508	0.166	0.293	114	-0.127	-0.608	0.315	-0.358	114
115	-0.133	-0.600	0.315	-0.355	115	-0.133	0.501	0.168	0.292	115	-0.133	0.501	0.168	0.292	115	-0.133	-0.600	0.315	-0.355	115
116	-0.139	-0.591	0.315	-0.351	116	-0.139	0.494	0.169	0.290	116	-0.139	0.494	0.169	0.290	116	-0.139	-0.591	0.315	-0.351	116
117	-0.145	-0.582	0.314	-0.347	117	-0.144	0.487	0.171	0.287	117	-0.144	0.487	0.171	0.287	117	-0.145	-0.582	0.314	-0.347	117
118	-0.150	-0.573	0.313	-0.343	118	-0.149	0.479	0.172	0.285	118	-0.149	0.479	0.172	0.285	118	-0.150	-0.573	0.313	-0.343	118
119	-0.155	-0.564	0.312	-0.339	119	-0.154	0.472	0.173	0.283	119	-0.154	0.472	0.173	0.283	119	-0.155	-0.564	0.312	-0.339	119
120	-0.160	-0.555	0.311	-0.335	120	-0.159	0.464	0.174	0.281	120	-0.159	0.464	0.174	0.281	120	-0.160	-0.555	0.311	-0.335	120
121	-0.165	-0.546	0.310	-0.331	121	-0.163	0.456	0.175	0.278	121	-0.163	0.456	0.175	0.278	121	-0.165	-0.546	0.310	-0.331	121
122	-0.169	-0.537	0.309	-0.326	122	-0.167	0.449	0.176	0.276	122	-0.167	0.449	0.176	0.276	122	-0.169	-0.537	0.309	-0.326	122
123	-0.173	-0.528	0.308	-0.322	123	-0.171	0.441	0.177	0.273	123	-0.171	0.441	0.177	0.273	123	-0.173	-0.528	0.308	-0.322	123
124	-0.177	-0.518	0.306	-0.318	124	-0.174	0.433	0.178	0.271	124	-0.174	0.433	0.178	0.271	124	-0.177	-0.518	0.306	-0.318	124
125	-0.181	-0.509	0.304	-0.313	125	-0.178	0.425	0.178	0.268	125	-0.178	0.425	0.178	0.268	125	-0.181	-0.509	0.304	-0.313	125
126	-0.184	-0.500	0.303	-0.309	126	-0.181	0.417	0.179	0.265	126	-0.181	0.417	0.179	0.265	126	-0.184	-0.500	0.303	-0.309	126
127	-0.187	-0.490	0.301	-0.304	127	-0.183	0.409	0.179	0.262	127	-0.183	0.409	0.179	0.262	127	-0.187	-0.490	0.301	-0.304	127
128	-0.190	-0.481	0.299	-0.300	128	-0.186	0.402	0.180	0.259	128	-0.186	0.402	0.180	0.259	128	-0.190	-0.481	0.299	-0.300	128
129	-0.193	-0.471	0.296	-0.295	129	-0.188	0.394	0.180	0.256	129	-0.188	0.394	0.180	0.256	129	-0.193	-0.471	0.296	-0.295	129
130	-0.195	-0.461	0.294	-0.291	130	-0.190	0.386	0.180	0.253	130	-0.190	0.386	0.180	0.253	130	-0.195	-0.461	0.294	-0.291	130
131	-0.197	-0.452	0.292	-0.286	131	-0.192	0.378	0.180	0.250	131	-0.192	0.378	0.180	0.250	131	-0.197	-0.452	0.292	-0.286	131
132	-0.199	-0.442	0.289	-0.281	132	-0.194	0.370	0.179	0.247	132	-0.194	0.370	0.179	0.247	132	-0.199	-0.442	0.289	-0.281	132
133	-0.201	-0.433	0.286	-0.276	133	-0.195	0.362	0.179	0.244	133	-0.195	0.362	0.179	0.244	133	-0.201	-0.433	0.286	-0.276	133
134	-0.203	-0.423	0.283	-0.272	134	-0.196	0.354	0.178	0.240	134	-0.196	0.354	0.178	0.240	134	-0.203	-0.423	0.283	-0.272	134
135	-0.204	-0.414	0.280	-0.267	135	-0.197	0.347	0.177	0.237	135	-0.197	0.347	0.177	0.237	135	-0.204	-0.414	0.280	-0.267	135

6.

$\alpha = 0.250$					$\beta = 0.000$					$\alpha = -0.250$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
6	0.908	-0.064	-0.012	-0.047	6	1.111	0.163	0.029	0.057	6	1.111	0.163	0.029	0.057	6	1.111	0.163	0.029	0.057	6
7	0.908	-0.080	-0.013	-0.055	7	1.105	0.183	0.032	0.067	7	1.105	0.183	0.032	0.067	7	1.105	0.183	0.032	0.067	7
8	0.908	-0.095	-0.014	-0.063	8	1.098	0.202	0.035	0.076	8	1.098	0.202	0.035	0.076	8	1.098	0.202	0.035	0.076	8
9	0.908	-0.111	-0.014	-0.071	9	1.092	0.221	0.038	0.085	9	1.092	0.221	0.038	0.085	9	1.092	0.221	0.038	0.085	9
10	0.906	-0.127	-0.014	-0.079	10	1.085	0.240	0.041	0.094	10	1.085	0.240	0.041	0.094	10	1.085	0.240	0.041	0.094	10
11	0.905	-0.143	-0.014	-0.087	11	1.078	0.258	0.045	0.104	11	1.078	0.258	0.045	0.104	11	1.078	0.258	0.045	0.104	11
12	0.903	-0.159	-0.014	-0.095	12	1.070	0.276	0.048	0.113	12	1.070	0.276	0.048	0.113	12	1.070	0.276	0.048	0.113	12
13	0.901	-0.174	-0.014	-0.103	13	1.063	0.294	0.051	0.122	13	1.063	0.294	0.051	0.122	13	1.063	0.294	0.051	0.122	13
14	0.898	-0.190	-0.013	-0.111	14	1.055	0.312	0.054	0.131	14	1.055	0.312	0.054	0.131	14	1.055	0.312	0.054	0.131	14
15	0.895	-0.206	-0.012	-0.118	15	1.047	0.330	0.057	0.140	15	1.047	0.330	0.057	0.140	15	1.047	0.330	0.057	0.140	15
16	0.892	-0.221	-0.011	-0.126	16	1.039	0.347	0.060	0.148	16	1.039	0.347	0.060	0.148	16	1.039	0.347	0.060	0.148	16
17	0.888	-0.237	-0.010	-0.134	17	1.030	0.364	0.063	0.157	17	1.030	0.364	0.063	0.157	17	1.030	0.364	0.063	0.157	17
18	0.884	-0.252	-0.009	-0.142	18	1.022	0.381	0.066	0.166	18	1.022	0.381	0.066	0.166	18	1.022	0.381	0.066	0.166	18
19	0.880	-0.267	-0.007	-0.150	19	1.013	0.398	0.069	0.174	19	1.013	0.398	0.069	0.174	19	1.013	0.398	0.069	0.174	19
20	0.875	-0.283	-0.006	-0.157	20	1.003	0.414	0.072	0.183	20	1.003	0.414	0.072	0.183	20	1.003	0.414	0.072	0.183	20
21	0.870	-0.298	-0.004	-0.165	21	0.994	0.430	0.076	0.191	21	0.994	0.430	0.076	0.191	21	0.994	0.430	0.076	0.191	21
22	0.865	-0.313	-0.002	-0.172	22	0.984	0.446	0.079	0.199	22	0.984	0.446	0.079	0.199	22	0.984	0.446	0.079	0.199	22
23	0.859	-0.327	0.000	-0.180	23	0.974	0.462	0.082	0.207	23	0.974	0.462	0.082	0.207	23	0.974	0.462	0.082	0.207	23
24	0.853	-0.342	0.002	-0.187	24	0.964	0.477	0.086	0.215	24	0.964	0.477	0.086	0.215	24	0.964	0.477	0.086	0.215	24
25	0.847	-0.357	0.004	-0.194	25	0.953	0.493	0.089	0.223	25	0.953	0.493	0.089	0.223	25	0.953	0.493	0.089	0.223	25
26	0.840	-0.371	0.007	-0.202	26	0.943	0.508	0.093	0.231	26	0.943	0.508	0.093	0.231	26	0.943	0.508	0.093	0.231	26
27	0.833	-0.385	0.009	-0.209	27	0.932	0.522	0.096	0.239	27	0.932	0.522	0.096	0.239	27	0.932	0.522	0.096	0.239	27
28	0.826	-0.399	0.012	-0.216	28	0.920	0.537	0.100	0.246	28	0.920	0.537	0.100	0.246	28	0.920	0.537	0.100	0.246	28
29	0.818	-0.413	0.014	-0.223	29	0.909	0.551	0.103	0.254	29	0.909	0.551	0.103	0.254	29	0.909	0.551	0.103	0.254	29
30	0.810	-0.426	0.017	-0.230	30	0.897	0.565	0.107	0.261	30	0.897	0.565	0.107	0.261	30	0.897	0.565	0.107	0.261	30
31	0.802	-0.440	0.020	-0.237	31	0.886	0.578	0.111	0.268	31	0.886	0.578	0.111	0.268	31	0.886	0.578	0.111	0.268	31
32	0.794	-0.453	0.023	-0.243	32	0.874	0.591	0.114	0.275	32	0.874	0.591	0.114	0.275	32	0.874	0.591	0.114	0.275	32
33	0.785	-0.466	0.026	-0.250	33	0.861	0.604	0.118	0.282	33	0.861	0.604	0.118	0.282	33	0.861	0.604	0.118	0.282	33
34	0.777	-0.479	0.030	-0.257	34	0.849	0.617	0.122	0.289	34	0.849	0.617	0.122	0.289	34	0.849	0.617	0.122	0.289	34
35	0.767	-0.491	0.033	-0.263	35	0.836	0.629	0.126	0.296	35	0.836	0.629	0.126	0.296	35	0.836	0.629	0.126	0.296	35
36	0.758	-0.504	0.037	-0.269	36	0.823	0.641	0.130	0.303	36	0.823	0.641	0.130	0.303	36	0.823	0.641	0.130	0.303	36
37	0.748	-0.516	0.040	-0.275	37	0.810	0.653	0.133	0.309	37	0.810	0.653	0.133	0.309	37	0.810	0.653	0.133	0.309	37
38	0.739	-0.527	0.044	-0.282	38	0.797	0.664	0.137	0.315	38	0.797	0.664	0.137	0.315	38	0.797	0.664	0.137	0.315	38
39	0.728	-0.539	0.047	-0.288	39	0.784	0.676	0.141	0.321	39	0.784	0.676	0.141	0.321	39	0.784	0.676	0.141	0.321	39
40	0.718	-0.550	0.051	-0.293	40	0.771	0.686	0.145	0.327	40	0.771	0.686	0.145	0.327	40	0.771	0.686	0.145	0.327	40

7.

$\alpha = 0.250$					$\beta = 0.000$					$\alpha = -0.250$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.708	-0.561	0.055	-0.299	41	0.757	0.697	0.149	0.333	41	0.757	0.697	0.149	0.333	41	0.757	0.697	0.149	0.333	41
42	0.697	-0.572	0.059	-0.305	42	0.743	0.707	0.153	0.339	42	0.743	0.707	0.153	0.339	42	0.743	0.707	0.153	0.339	42
43	0.686	-0.583	0.063	-0.310	43	0.729	0.717	0.157	0.345	43	0.729	0.717	0.157	0.345	43	0.729	0.717	0.157	0.345	43
44	0.675	-0.593	0.067	-0.316	44	0.715	0.726	0.161	0.350	44	0.715	0.726	0.161	0.350	44	0.715	0.726	0.161	0.350	44
45	0.664	-0.603	0.071	-0.321	45	0.701	0.735	0.165	0.355	45	0.701	0.735	0.165	0.355	45	0.701	0.735	0.165	0.355	45
46	0.652	-0.613	0.076	-0.326	46	0.687	0.744	0.170	0.361	46	0.687	0.744	0.170	0.361	46	0.687	0.744	0.170	0.361	46
47	0.641	-0.622	0.080	-0.331	47	0.673	0.752	0.174	0.366	47	0.673	0.752	0.174	0.366	47	0.673	0.752	0.174	0.366	47
48	0.629	-0.631	0.084	-0.336	48	0.659	0.760	0.178	0.370	48	0.659	0.760	0.178	0.370	48	0.659	0.760	0.178	0.370	48
49	0.617	-0.640	0.088	-0.340	49	0.644	0.768	0.182	0.375	49	0.644	0.768	0.182	0.375	49	0.644	0.768	0.182	0.375	49
50	0.605	-0.648	0.093	-0.345	50	0.630	0.776	0.186	0.380	50	0.630	0.776	0.186	0.380	50	0.630	0.776	0.186	0.380	50
51	0.593	-0.657	0.097	-0.350	51	0.615	0.783	0.190	0.384	51	0.615	0.783	0.190	0.384	51	0.615	0.783	0.190	0.384	51
52	0.581	-0.665	0.102	-0.354	52	0.600	0.789	0.194	0.388	52	0.600	0.789	0.194	0.388	52	0.600	0.789	0.194	0.388	52
53	0.568	-0.672	0.106	-0.358	53	0.586	0.796	0.198	0.392	53	0.586	0.796	0.198	0.392	53	0.586	0.796	0.198	0.392	53
54	0.556	-0.680	0.111	-0.362	54	0.571	0.802	0.202	0.396	54	0.571	0.802	0.202	0.396	54	0.571	0.802	0.202	0.396	54
55	0.543	-0.687	0.115	-0.366	55	0.556	0.807	0.206	0.400	55	0.556	0.807	0.206	0.400	55	0.556	0.807	0.206	0.400	55
56	0.530	-0.693	0.120	-0.370	56	0.541	0.813	0.210	0.404	56	0.541	0.813	0.210	0.404	56	0.541	0.813	0.210	0.404	56
57	0.518	-0.700	0.124	-0.373	57	0.527	0.818	0.214	0.407	57	0.527	0.818	0.214	0.407	57	0.527	0.818	0.214	0.407	57
58	0.505	-0.706	0.129	-0.377	58	0.512	0.822	0.218	0.410	58	0.512	0.822	0.218	0.410	58	0.512	0.822	0.218	0.410	58
59	0.492	-0.712	0.134	-0.380	59	0.497	0.827	0.222	0.413	59	0.497	0.827	0.222	0.413	59	0.497	0.827	0.222	0.413	59
60	0.479	-0.717	0.138	-0.383	60	0.482	0.830	0.226	0.416	60	0.482	0.830	0.226	0.416	60	0.482	0.830	0.226	0.416	60
61	0.466	-0.722	0.143	-0.386	61	0.467	0.834	0.230	0.419	61	0.467	0.834	0.230	0.419	61	0.467	0.834	0.230	0.419	61
62	0.452	-0.727	0.147	-0.389	62	0.452	0.837	0.234	0.422	62	0.452	0.837	0.234	0.422	62	0.452	0.837	0.234	0.422	62
63	0.439	-0.732	0.152	-0.392	63	0.438	0.840	0.238	0.424	63	0.438	0.840	0.238	0.424	63	0.438	0.840	0.238	0.424	63
64	0.426	-0.736	0.157	-0.394	64	0.423	0.843	0.241	0.426	64	0.423	0.843	0.241	0.426	64	0.423	0.843	0.241	0.426	64
65	0.413	-0.740	0.161	-0.397	65	0.408	0.845	0.245	0.429	65	0.408	0.845	0.245	0.429	65	0.408	0.845	0.245	0.429	65
66	0.400	-0.743	0.166	-0.399	66	0.394	0.847	0.249	0.431	66	0.394	0.847	0.249	0.431	66	0.394	0.847	0.249	0.431	66
67	0.387	-0.747	0.170	-0.401	67	0.379	0.849	0.253	0.433	67	0.379	0.849	0.253	0.433	67	0.379	0.849	0.253	0.433	67
68	0.373	-0.750	0.175	-0.403	68	0.365	0.850	0.256	0.434	68	0.365	0.850	0.256	0.434	68	0.365	0.850	0.256	0.434	68
69	0.360	-0.752	0.179	-0.405	69	0.350	0.851	0.260	0.436	69	0.350	0.851	0.260	0.436	69	0.350	0.851	0.260	0.436	69
70	0.347	-0.755	0.184	-0.407	70	0.336	0.851	0.263	0.437	70	0.336	0.851	0.263	0.437	70	0.336	0.851	0.263	0.437	70
71	0.334	-0.757	0.188	-0.408	71	0.321	0.852	0.267	0.438	71	0.321	0.852	0.267	0.438	71	0.321	0.852	0.267	0.438	71
72	0.321	-0.759	0.192	-0.410	72	0.307	0.852	0.270	0.439	72	0.307	0.852	0.270	0.439	72	0.307	0.852	0.270	0.439	72
73	0.308	-0.760	0.197	-0.411	73	0.293	0.851	0.273	0.440	73	0.293	0.851	0.273	0.440	73	0.293	0.851	0.273	0.440	73
74	0.295	-0.761	0.201	-0.412	74	0.279	0.851	0.277	0.441	74	0.279	0.851	0.277	0.441	74	0.279	0.851	0.277	0.441	74
75	0.282	-0.762	0.205	-0.413	75	0.265	0.850	0.280	0.442	75	0.265	0.850	0.280	0.442	75	0.265	0.850	0.280	0.442	75

8,

$\alpha = 0.250$					$\beta = 0.000$					$\alpha = -0.250$					$\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
76	0.269	-0.762	0.210	-0.414	76	0.252	0.848	0.283	0.442	76	0.252	0.848	0.283	0.442	76	0.252	0.848	0.283	0.442
77	0.256	-0.763	0.214	-0.414	77	0.238	0.847	0.286	0.442	77	0.238	0.847	0.286	0.442	77	0.238	0.847	0.286	0.442
78	0.243	-0.763	0.218	-0.415	78	0.224	0.845	0.289	0.443	78	0.224	0.845	0.289	0.443	78	0.224	0.845	0.289	0.443
79	0.230	-0.762	0.222	-0.415	79	0.211	0.843	0.292	0.443	79	0.211	0.843	0.292	0.443	79	0.211	0.843	0.292	0.443
80	0.218	-0.761	0.226	-0.416	80	0.198	0.840	0.295	0.442	80	0.198	0.840	0.295	0.442	80	0.198	0.840	0.295	0.442
81	0.205	-0.760	0.230	-0.416	81	0.185	0.838	0.297	0.442	81	0.185	0.838	0.297	0.442	81	0.185	0.838	0.297	0.442
82	0.193	-0.759	0.233	-0.416	82	0.172	0.835	0.300	0.442	82	0.172	0.835	0.300	0.442	82	0.172	0.835	0.300	0.442
83	0.181	-0.758	0.237	-0.415	83	0.159	0.831	0.303	0.441	83	0.159	0.831	0.303	0.441	83	0.159	0.831	0.303	0.441
84	0.168	-0.756	0.241	-0.415	84	0.146	0.828	0.305	0.441	84	0.146	0.828	0.305	0.441	84	0.146	0.828	0.305	0.441
85	0.156	-0.754	0.244	-0.415	85	0.134	0.824	0.308	0.440	85	0.134	0.824	0.308	0.440	85	0.134	0.824	0.308	0.440
86	0.144	-0.752	0.248	-0.414	86	0.122	0.820	0.310	0.439	86	0.122	0.820	0.310	0.439	86	0.122	0.820	0.310	0.439
87	0.133	-0.749	0.251	-0.414	87	0.110	0.816	0.312	0.438	87	0.110	0.816	0.312	0.438	87	0.110	0.816	0.312	0.438
88	0.121	-0.746	0.254	-0.413	88	0.098	0.811	0.314	0.436	88	0.098	0.811	0.314	0.436	88	0.098	0.811	0.314	0.436
89	0.109	-0.743	0.258	-0.412	89	0.086	0.806	0.316	0.435	89	0.086	0.806	0.316	0.435	89	0.086	0.806	0.316	0.435
90	0.098	-0.740	0.261	-0.411	90	0.074	0.801	0.318	0.434	90	0.074	0.801	0.318	0.434	90	0.074	0.801	0.318	0.434
91	0.087	-0.736	0.264	-0.409	91	0.063	0.796	0.320	0.432	91	0.063	0.796	0.320	0.432	91	0.063	0.796	0.320	0.432
92	0.076	-0.732	0.267	-0.408	92	0.052	0.791	0.322	0.430	92	0.052	0.791	0.322	0.430	92	0.052	0.791	0.322	0.430
93	0.065	-0.728	0.269	-0.407	93	0.041	0.785	0.323	0.428	93	0.041	0.785	0.323	0.428	93	0.041	0.785	0.323	0.428
94	0.054	-0.724	0.272	-0.405	94	0.030	0.779	0.325	0.426	94	0.030	0.779	0.325	0.426	94	0.030	0.779	0.325	0.426
95	0.044	-0.719	0.275	-0.404	95	0.020	0.773	0.326	0.424	95	0.020	0.773	0.326	0.424	95	0.020	0.773	0.326	0.424
96	0.033	-0.714	0.277	-0.402	96	0.009	0.766	0.328	0.422	96	0.009	0.766	0.328	0.422	96	0.009	0.766	0.328	0.422
97	0.023	-0.709	0.279	-0.400	97	-0.001	0.760	0.329	0.420	97	-0.001	0.760	0.329	0.420	97	-0.001	0.760	0.329	0.420
98	0.013	-0.704	0.282	-0.398	98	-0.011	0.753	0.330	0.417	98	-0.011	0.753	0.330	0.417	98	-0.011	0.753	0.330	0.417
99	0.003	-0.698	0.284	-0.396	99	-0.020	0.746	0.331	0.415	99	-0.020	0.746	0.331	0.415	99	-0.020	0.746	0.331	0.415
100	-0.006	-0.693	0.286	-0.393	100	-0.030	0.739	0.332	0.412	100	-0.030	0.739	0.332	0.412	100	-0.030	0.739	0.332	0.412
101	-0.016	-0.687	0.288	-0.391	101	-0.039	0.732	0.332	0.409	101	-0.039	0.732	0.332	0.409	101	-0.039	0.732	0.332	0.409
102	-0.025	-0.681	0.290	-0.389	102	-0.048	0.724	0.333	0.407	102	-0.048	0.724	0.333	0.407	102	-0.048	0.724	0.333	0.407
103	-0.034	-0.675	0.291	-0.386	103	-0.057	0.717	0.334	0.404	103	-0.057	0.717	0.334	0.404	103	-0.057	0.717	0.334	0.404
104	-0.043	-0.668	0.293	-0.383	104	-0.065	0.709	0.334	0.401	104	-0.065	0.709	0.334	0.401	104	-0.065	0.709	0.334	0.401
105	-0.051	-0.662	0.294	-0.381	105	-0.074	0.701	0.334	0.397	105	-0.074	0.701	0.334	0.397	105	-0.074	0.701	0.334	0.397
106	-0.060	-0.655	0.296	-0.378	106	-0.082	0.693	0.335	0.394	106	-0.082	0.693	0.335	0.394	106	-0.082	0.693	0.335	0.394
107	-0.068	-0.648	0.297	-0.375	107	-0.089	0.684	0.335	0.391	107	-0.089	0.684	0.335	0.391	107	-0.089	0.684	0.335	0.391
108	-0.076	-0.641	0.298	-0.372	108	-0.097	0.676	0.335	0.387	108	-0.097	0.676	0.335	0.387	108	-0.097	0.676	0.335	0.387
109	-0.083	-0.633	0.299	-0.369	109	-0.104	0.668	0.334	0.384	109	-0.104	0.668	0.334	0.384	109	-0.104	0.668	0.334	0.384
110	-0.091	-0.626	0.299	-0.366	110	-0.111	0.659	0.334	0.380	110	-0.111	0.659	0.334	0.380	110	-0.111	0.659	0.334	0.380

9.

$\alpha = 0.250$					$\beta = 0.000$					$\alpha = -0.250$					$\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
111	-0.098	-0.618	0.300	-0.362	111	-0.118	0.650	0.334	0.377	111	-0.118	0.650	0.334	0.377	111	-0.118	0.650	0.334	0.377
112	-0.105	-0.611	0.301	-0.359	112	-0.125	0.641	0.333	0.373	112	-0.125	0.641	0.333	0.373	112	-0.125	0.641	0.333	0.373
113	-0.112	-0.603	0.301	-0.356	113	-0.131	0.632	0.332	0.369	113	-0.131	0.632	0.332	0.369	113	-0.131	0.632	0.332	0.369
114	-0.118	-0.595	0.301	-0.352	114	-0.137	0.623	0.332	0.365	114	-0.137	0.623	0.332	0.365	114	-0.137	0.623	0.332	0.365
115	-0.124	-0.587	0.301	-0.349	115	-0.143	0.614	0.331	0.361	115	-0.143	0.614	0.331	0.361	115	-0.143	0.614	0.331	0.361
116	-0.130	-0.579	0.301	-0.345	116	-0.149	0.605	0.330	0.357	116	-0.149	0.605	0.330	0.357	116	-0.149	0.605	0.330	0.357
117	-0.136	-0.570	0.301	-0.341	117	-0.154	0.595	0.329	0.353	117	-0.154	0.595	0.329	0.353	117	-0.154	0.595	0.329	0.353
118	-0.142	-0.562	0.301	-0.337	118	-0.159	0.586	0.327	0.349	118	-0.159	0.586	0.327	0.349	118	-0.159	0.586	0.327	0.349
119	-0.147	-0.553	0.300	-0.333	119	-0.164	0.576	0.326	0.345	119	-0.164	0.576	0.326	0.345	119	-0.164	0.576	0.326	0.345
120	-0.152	-0.545	0.300	-0.329	120	-0.169	0.567	0.324	0.340	120	-0.169	0.567	0.324	0.340	120	-0.169	0.567	0.324	0.340
121	-0.157	-0.536	0.299	-0.325	121	-0.173	0.557	0.323	0.336	121	-0.173	0.557	0.323	0.336	121	-0.173	0.557	0.323	0.336
122	-0.161	-0.527	0.298	-0.321	122	-0.177	0.547	0.321	0.332	122	-0.177	0.547	0.321	0.332	122	-0.177	0.547	0.321	0.332
123	-0.166	-0.518	0.297	-0.317	123	-0.181	0.538	0.319	0.327	123	-0.181	0.538	0.319	0.327	123	-0.181	0.538	0.319	0.327
124	-0.170	-0.509	0.296	-0.313	124	-0.185	0.528	0.317	0.323	124	-0.185	0.528	0.317	0.323	124	-0.185	0.528	0.317	0.323
125	-0.174	-0.500	0.295	-0.309	125	-0.188	0.518	0.315	0.318	125	-0.188	0.518	0.315	0.318	125	-0.188	0.518	0.315	0.318
126	-0.177	-0.491	0.293	-0.305	126	-0.191	0.508	0.313	0.314	126	-0.191	0.508	0.313	0.314	126	-0.191	0.508	0.313	0.314
127	-0.181	-0.482	0.292	-0.300	127	-0.194	0.498	0.310	0.309	127	-0.194	0.498	0.310	0.309	127	-0.194	0.498	0.310	0.309
128	-0.184	-0.473	0.290	-0.296	128	-0.197	0.488	0.308	0.304	128	-0.197	0.488	0.308	0.304	128	-0.197	0.488	0.308	0.304
129	-0.187	-0.464	0.288	-0.291	129	-0.199	0.479	0.305	0.299	129	-0.199	0.479	0.305	0.299	129	-0.199	0.479	0.305	0.299
130	-0.189	-0.455	0.286	-0.287	130	-0.201	0.469	0.303	0.295	130	-0.201	0.469	0.303	0.295	130	-0.201	0.469	0.303	0.295
131	-0.192	-0.446	0.284	-0.282	131	-0.203	0.459	0.300	0.290	131	-0.203	0.459	0.300	0.290	131	-0.203	0.459	0.300	0.290
132	-0.194	-0.436	0.282	-0.278	132	-0.205	0.449	0.297	0.285	132	-0.205	0.449	0.297	0.285	132	-0.205	0.449	0.297	0.285
133	-0.196	-0.427	0.279	-0.273	133	-0.207	0.439	0.294	0.280	133	-0.207	0.439	0.294	0.280	133	-0.207	0.439	0.294	0.280
134	-0.198	-0.418	0.276	-0.269	134	-0.208	0.429	0.290	0.275	134	-0.208	0.429	0.290	0.275	134	-0.208	0.429	0.290	0.275
135	-0.199	-0.409	0.274	-0.264	135	-0.210	0.419	0.287	0.270	135	-0.210	0.419	0.287	0.270	135	-0.210	0.419	0.287	0.270

10.

$\alpha = 0.500$					$\beta = 0.000$					$\alpha = -0.500$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
6	0.842	-0.035	-0.021	-0.042	6	1.292	0.258	0.083	0.058	6	1.292	0.258	0.083	0.058	6	1.292	0.258	0.083	0.058	6
7	0.844	-0.049	-0.023	-0.050	7	1.278	0.282	0.091	0.068	7	1.278	0.282	0.091	0.068	7	1.278	0.282	0.091	0.068	7
8	0.845	-0.064	-0.025	-0.057	8	1.264	0.305	0.098	0.078	8	1.264	0.305	0.098	0.078	8	1.264	0.305	0.098	0.078	8
9	0.846	-0.078	-0.026	-0.065	9	1.251	0.327	0.105	0.089	9	1.251	0.327	0.105	0.089	9	1.251	0.327	0.105	0.089	9
10	0.847	-0.093	-0.027	-0.072	10	1.238	0.348	0.111	0.099	10	1.238	0.348	0.111	0.099	10	1.238	0.348	0.111	0.099	10
11	0.847	-0.108	-0.028	-0.080	11	1.225	0.368	0.117	0.109	11	1.225	0.368	0.117	0.109	11	1.225	0.368	0.117	0.109	11
12	0.847	-0.123	-0.029	-0.087	12	1.212	0.388	0.123	0.119	12	1.212	0.388	0.123	0.119	12	1.212	0.388	0.123	0.119	12
13	0.846	-0.138	-0.029	-0.095	13	1.199	0.408	0.128	0.128	13	1.199	0.408	0.128	0.128	13	1.199	0.408	0.128	0.128	13
14	0.845	-0.153	-0.029	-0.102	14	1.187	0.427	0.133	0.138	14	1.187	0.427	0.133	0.138	14	1.187	0.427	0.133	0.138	14
15	0.843	-0.167	-0.029	-0.109	15	1.174	0.446	0.138	0.148	15	1.174	0.446	0.138	0.148	15	1.174	0.446	0.138	0.148	15
16	0.841	-0.182	-0.029	-0.117	16	1.161	0.464	0.143	0.157	16	1.161	0.464	0.143	0.157	16	1.161	0.464	0.143	0.157	16
17	0.839	-0.197	-0.028	-0.124	17	1.147	0.482	0.147	0.167	17	1.147	0.482	0.147	0.167	17	1.147	0.482	0.147	0.167	17
18	0.836	-0.212	-0.028	-0.132	18	1.134	0.500	0.151	0.176	18	1.134	0.500	0.151	0.176	18	1.134	0.500	0.151	0.176	18
19	0.834	-0.227	-0.027	-0.139	19	1.121	0.517	0.156	0.185	19	1.121	0.517	0.156	0.185	19	1.121	0.517	0.156	0.185	19
20	0.830	-0.241	-0.026	-0.146	20	1.107	0.534	0.160	0.194	20	1.107	0.534	0.160	0.194	20	1.107	0.534	0.160	0.194	20
21	0.826	-0.256	-0.025	-0.154	21	1.094	0.551	0.164	0.203	21	1.094	0.551	0.164	0.203	21	1.094	0.551	0.164	0.203	21
22	0.822	-0.270	-0.024	-0.161	22	1.080	0.567	0.168	0.212	22	1.080	0.567	0.168	0.212	22	1.080	0.567	0.168	0.212	22
23	0.818	-0.284	-0.022	-0.168	23	1.066	0.583	0.172	0.220	23	1.066	0.583	0.172	0.220	23	1.066	0.583	0.172	0.220	23
24	0.813	-0.299	-0.020	-0.175	24	1.052	0.599	0.176	0.229	24	1.052	0.599	0.176	0.229	24	1.052	0.599	0.176	0.229	24
25	0.808	-0.313	-0.019	-0.182	25	1.037	0.614	0.180	0.237	25	1.037	0.614	0.180	0.237	25	1.037	0.614	0.180	0.237	25
26	0.803	-0.327	-0.017	-0.189	26	1.023	0.629	0.184	0.246	26	1.023	0.629	0.184	0.246	26	1.023	0.629	0.184	0.246	26
27	0.797	-0.341	-0.015	-0.196	27	1.009	0.644	0.188	0.254	27	1.009	0.644	0.188	0.254	27	1.009	0.644	0.188	0.254	27
28	0.791	-0.354	-0.013	-0.203	28	0.994	0.658	0.192	0.262	28	0.994	0.658	0.192	0.262	28	0.994	0.658	0.192	0.262	28
29	0.785	-0.368	-0.010	-0.210	29	0.979	0.672	0.195	0.270	29	0.979	0.672	0.195	0.270	29	0.979	0.672	0.195	0.270	29
30	0.779	-0.381	-0.008	-0.217	30	0.964	0.686	0.199	0.278	30	0.964	0.686	0.199	0.278	30	0.964	0.686	0.199	0.278	30
31	0.772	-0.394	-0.005	-0.223	31	0.949	0.699	0.203	0.285	31	0.949	0.699	0.203	0.285	31	0.949	0.699	0.203	0.285	31
32	0.765	-0.407	-0.002	-0.230	32	0.934	0.712	0.206	0.293	32	0.934	0.712	0.206	0.293	32	0.934	0.712	0.206	0.293	32
33	0.757	-0.420	0.000	-0.236	33	0.918	0.724	0.210	0.300	33	0.918	0.724	0.210	0.300	33	0.918	0.724	0.210	0.300	33
34	0.749	-0.433	0.003	-0.243	34	0.903	0.736	0.214	0.307	34	0.903	0.736	0.214	0.307	34	0.903	0.736	0.214	0.307	34
35	0.741	-0.445	0.006	-0.249	35	0.887	0.748	0.217	0.314	35	0.887	0.748	0.217	0.314	35	0.887	0.748	0.217	0.314	35
36	0.733	-0.458	0.010	-0.255	36	0.872	0.759	0.221	0.321	36	0.872	0.759	0.221	0.321	36	0.872	0.759	0.221	0.321	36
37	0.725	-0.470	0.013	-0.261	37	0.856	0.770	0.224	0.328	37	0.856	0.770	0.224	0.328	37	0.856	0.770	0.224	0.328	37
38	0.716	-0.482	0.016	-0.267	38	0.840	0.781	0.228	0.334	38	0.840	0.781	0.228	0.334	38	0.840	0.781	0.228	0.334	38
39	0.707	-0.493	0.020	-0.273	39	0.824	0.791	0.231	0.341	39	0.824	0.791	0.231	0.341	39	0.824	0.791	0.231	0.341	39
40	0.698	-0.504	0.023	-0.279	40	0.808	0.801	0.235	0.347	40	0.808	0.801	0.235	0.347	40	0.808	0.801	0.235	0.347	40

//

$\alpha = 0.500$					$\beta = 0.000$					$\alpha = -0.500$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.688	-0.516	0.027	-0.285	41	0.792	0.810	0.238	0.353	41	0.688	-0.516	0.027	-0.285	41	0.792	0.810	0.238	0.353	41
42	0.679	-0.526	0.031	-0.290	42	0.775	0.819	0.242	0.359	42	0.679	-0.526	0.031	-0.290	42	0.775	0.819	0.242	0.359	42
43	0.669	-0.537	0.035	-0.296	43	0.759	0.828	0.245	0.365	43	0.669	-0.537	0.035	-0.296	43	0.759	0.828	0.245	0.365	43
44	0.659	-0.548	0.038	-0.301	44	0.743	0.836	0.249	0.370	44	0.659	-0.548	0.038	-0.301	44	0.743	0.836	0.249	0.370	44
45	0.649	-0.558	0.043	-0.306	45	0.727	0.844	0.252	0.376	45	0.649	-0.558	0.043	-0.306	45	0.727	0.844	0.252	0.376	45
46	0.638	-0.568	0.047	-0.312	46	0.710	0.852	0.255	0.381	46	0.638	-0.568	0.047	-0.312	46	0.710	0.852	0.255	0.381	46
47	0.627	-0.577	0.051	-0.317	47	0.694	0.859	0.259	0.386	47	0.627	-0.577	0.051	-0.317	47	0.694	0.859	0.259	0.386	47
48	0.617	-0.587	0.055	-0.321	48	0.677	0.866	0.262	0.391	48	0.617	-0.587	0.055	-0.321	48	0.677	0.866	0.262	0.391	48
49	0.606	-0.596	0.059	-0.326	49	0.661	0.872	0.265	0.396	49	0.606	-0.596	0.059	-0.326	49	0.661	0.872	0.265	0.396	49
50	0.594	-0.604	0.063	-0.331	50	0.644	0.878	0.269	0.400	50	0.594	-0.604	0.063	-0.331	50	0.644	0.878	0.269	0.400	50
51	0.583	-0.613	0.068	-0.335	51	0.628	0.884	0.272	0.405	51	0.583	-0.613	0.068	-0.335	51	0.628	0.884	0.272	0.405	51
52	0.572	-0.621	0.072	-0.340	52	0.611	0.889	0.275	0.409	52	0.572	-0.621	0.072	-0.340	52	0.611	0.889	0.275	0.409	52
53	0.560	-0.629	0.077	-0.344	53	0.595	0.894	0.278	0.413	53	0.560	-0.629	0.077	-0.344	53	0.595	0.894	0.278	0.413	53
54	0.548	-0.637	0.081	-0.348	54	0.579	0.899	0.281	0.417	54	0.548	-0.637	0.081	-0.348	54	0.579	0.899	0.281	0.417	54
55	0.537	-0.644	0.086	-0.352	55	0.562	0.903	0.284	0.421	55	0.537	-0.644	0.086	-0.352	55	0.562	0.903	0.284	0.421	55
56	0.525	-0.651	0.091	-0.356	56	0.546	0.906	0.287	0.424	56	0.525	-0.651	0.091	-0.356	56	0.546	0.906	0.287	0.424	56
57	0.513	-0.658	0.095	-0.359	57	0.530	0.910	0.290	0.428	57	0.513	-0.658	0.095	-0.359	57	0.530	0.910	0.290	0.428	57
58	0.500	-0.665	0.100	-0.363	58	0.513	0.913	0.293	0.431	58	0.500	-0.665	0.100	-0.363	58	0.513	0.913	0.293	0.431	58
59	0.488	-0.671	0.104	-0.366	59	0.497	0.916	0.296	0.434	59	0.488	-0.671	0.104	-0.366	59	0.497	0.916	0.296	0.434	59
60	0.476	-0.677	0.109	-0.369	60	0.481	0.918	0.299	0.437	60	0.476	-0.677	0.109	-0.369	60	0.481	0.918	0.299	0.437	60
61	0.464	-0.682	0.114	-0.373	61	0.465	0.920	0.302	0.440	61	0.464	-0.682	0.114	-0.373	61	0.465	0.920	0.302	0.440	61
62	0.451	-0.688	0.119	-0.375	62	0.449	0.922	0.305	0.442	62	0.451	-0.688	0.119	-0.375	62	0.449	0.922	0.305	0.442	62
63	0.439	-0.693	0.123	-0.378	63	0.433	0.923	0.308	0.444	63	0.439	-0.693	0.123	-0.378	63	0.433	0.923	0.308	0.444	63
64	0.426	-0.697	0.128	-0.381	64	0.417	0.924	0.310	0.447	64	0.426	-0.697	0.128	-0.381	64	0.417	0.924	0.310	0.447	64
65	0.413	-0.702	0.133	-0.384	65	0.402	0.925	0.313	0.449	65	0.413	-0.702	0.133	-0.384	65	0.402	0.925	0.313	0.449	65
66	0.401	-0.706	0.137	-0.386	66	0.386	0.925	0.316	0.450	66	0.401	-0.706	0.137	-0.386	66	0.386	0.925	0.316	0.450	66
67	0.388	-0.710	0.142	-0.388	67	0.370	0.925	0.318	0.452	67	0.388	-0.710	0.142	-0.388	67	0.370	0.925	0.318	0.452	67
68	0.375	-0.713	0.147	-0.390	68	0.355	0.924	0.321	0.454	68	0.375	-0.713	0.147	-0.390	68	0.355	0.924	0.321	0.454	68
69	0.363	-0.716	0.151	-0.392	69	0.340	0.924	0.323	0.455	69	0.363	-0.716	0.151	-0.392	69	0.340	0.924	0.323	0.455	69
70	0.350	-0.719	0.156	-0.394	70	0.325	0.923	0.325	0.456	70	0.350	-0.719	0.156	-0.394	70	0.325	0.923	0.325	0.456	70
71	0.337	-0.722	0.161	-0.396	71	0.310	0.921	0.328	0.457	71	0.337	-0.722	0.161	-0.396	71	0.310	0.921	0.328	0.457	71
72	0.325	-0.724	0.165	-0.397	72	0.295	0.920	0.330	0.458	72	0.325	-0.724	0.165	-0.397	72	0.295	0.920	0.330	0.458	72
73	0.312	-0.726	0.170	-0.399	73	0.280	0.918	0.332	0.459	73	0.312	-0.726	0.170	-0.399	73	0.280	0.918	0.332	0.459	73
74	0.299	-0.728	0.174	-0.400	74	0.266	0.915	0.334	0.459	74	0.299	-0.728	0.174	-0.400	74	0.266	0.915	0.334	0.459	74
75	0.287	-0.729	0.179	-0.401	75	0.251	0.913	0.336	0.460	75	0.287	-0.729	0.179	-0.401	75	0.251	0.913	0.336	0.460	75



13.

$\alpha = 0.500$					$\beta = 0.000$					$\alpha = -0.500$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
111	-0.090	-0.605	0.286	-0.356	111	-0.131	0.669	0.354	0.385	111	-0.131	0.669	0.354	0.385	111	-0.131	0.669	0.354	0.385	111
112	-0.097	-0.598	0.287	-0.353	112	-0.137	0.659	0.353	0.381	112	-0.137	0.659	0.353	0.381	112	-0.137	0.659	0.353	0.381	112
113	-0.104	-0.590	0.288	-0.350	113	-0.143	0.650	0.352	0.377	113	-0.143	0.650	0.352	0.377	113	-0.143	0.650	0.352	0.377	113
114	-0.110	-0.583	0.288	-0.346	114	-0.149	0.640	0.350	0.373	114	-0.149	0.640	0.350	0.373	114	-0.149	0.640	0.350	0.373	114
115	-0.117	-0.575	0.289	-0.343	115	-0.155	0.630	0.349	0.369	115	-0.155	0.630	0.349	0.369	115	-0.155	0.630	0.349	0.369	115
116	-0.123	-0.567	0.289	-0.339	116	-0.160	0.620	0.347	0.364	116	-0.160	0.620	0.347	0.364	116	-0.160	0.620	0.347	0.364	116
117	-0.129	-0.559	0.289	-0.336	117	-0.165	0.610	0.345	0.360	117	-0.165	0.610	0.345	0.360	117	-0.165	0.610	0.345	0.360	117
118	-0.134	-0.551	0.289	-0.332	118	-0.170	0.600	0.343	0.356	118	-0.170	0.600	0.343	0.356	118	-0.170	0.600	0.343	0.356	118
119	-0.140	-0.543	0.289	-0.328	119	-0.174	0.590	0.341	0.351	119	-0.174	0.590	0.341	0.351	119	-0.174	0.590	0.341	0.351	119
120	-0.145	-0.535	0.289	-0.325	120	-0.179	0.580	0.339	0.347	120	-0.179	0.580	0.339	0.347	120	-0.179	0.580	0.339	0.347	120
121	-0.150	-0.527	0.289	-0.321	121	-0.183	0.569	0.337	0.342	121	-0.183	0.569	0.337	0.342	121	-0.183	0.569	0.337	0.342	121
122	-0.155	-0.518	0.288	-0.317	122	-0.186	0.559	0.334	0.337	122	-0.186	0.559	0.334	0.337	122	-0.186	0.559	0.334	0.337	122
123	-0.159	-0.510	0.288	-0.313	123	-0.190	0.549	0.332	0.333	123	-0.190	0.549	0.332	0.333	123	-0.190	0.549	0.332	0.333	123
124	-0.163	-0.501	0.287	-0.309	124	-0.193	0.538	0.330	0.328	124	-0.193	0.538	0.330	0.328	124	-0.193	0.538	0.330	0.328	124
125	-0.167	-0.493	0.286	-0.305	125	-0.196	0.528	0.327	0.323	125	-0.196	0.528	0.327	0.323	125	-0.196	0.528	0.327	0.323	125
126	-0.171	-0.484	0.285	-0.301	126	-0.199	0.518	0.324	0.318	126	-0.199	0.518	0.324	0.318	126	-0.199	0.518	0.324	0.318	126
127	-0.175	-0.475	0.283	-0.296	127	-0.202	0.507	0.321	0.314	127	-0.202	0.507	0.321	0.314	127	-0.202	0.507	0.321	0.314	127
128	-0.178	-0.466	0.282	-0.292	128	-0.204	0.497	0.318	0.309	128	-0.204	0.497	0.318	0.309	128	-0.204	0.497	0.318	0.309	128
129	-0.181	-0.457	0.281	-0.288	129	-0.206	0.487	0.315	0.304	129	-0.206	0.487	0.315	0.304	129	-0.206	0.487	0.315	0.304	129
130	-0.184	-0.449	0.279	-0.283	130	-0.208	0.476	0.312	0.299	130	-0.208	0.476	0.312	0.299	130	-0.208	0.476	0.312	0.299	130
131	-0.186	-0.440	0.277	-0.279	131	-0.210	0.466	0.309	0.294	131	-0.210	0.466	0.309	0.294	131	-0.210	0.466	0.309	0.294	131
132	-0.189	-0.431	0.275	-0.275	132	-0.212	0.456	0.305	0.288	132	-0.212	0.456	0.305	0.288	132	-0.212	0.456	0.305	0.288	132
133	-0.191	-0.422	0.273	-0.270	133	-0.213	0.445	0.302	0.283	133	-0.213	0.445	0.302	0.283	133	-0.213	0.445	0.302	0.283	133
134	-0.193	-0.413	0.270	-0.266	134	-0.214	0.435	0.298	0.278	134	-0.214	0.435	0.298	0.278	134	-0.214	0.435	0.298	0.278	134
135	-0.195	-0.404	0.268	-0.261	135	-0.215	0.425	0.294	0.273	135	-0.215	0.425	0.294	0.273	135	-0.215	0.425	0.294	0.273	135

14.

$\alpha = 0.750$					$\beta = 0.000$					$\alpha = -0.750$					$\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
6	0.789	-0.013	-0.027	-0.038	6	1.645	0.424	0.241	0.019	6	1.645	0.424	0.241	0.019	6	1.645	0.424	0.241	0.019
7	0.792	-0.026	-0.030	-0.045	7	1.613	0.466	0.259	0.032	7	1.613	0.466	0.259	0.032	7	1.613	0.466	0.259	0.032
8	0.795	-0.040	-0.032	-0.052	8	1.583	0.501	0.274	0.045	8	1.583	0.501	0.274	0.045	8	1.583	0.501	0.274	0.045
9	0.797	-0.053	-0.034	-0.059	9	1.554	0.531	0.287	0.057	9	1.554	0.531	0.287	0.057	9	1.554	0.531	0.287	0.057
10	0.798	-0.067	-0.036	-0.066	10	1.528	0.559	0.298	0.070	10	1.528	0.559	0.298	0.070	10	1.528	0.559	0.298	0.070
11	0.799	-0.081	-0.037	-0.073	11	1.501	0.585	0.309	0.083	11	1.501	0.585	0.309	0.083	11	1.501	0.585	0.309	0.083
12	0.800	-0.095	-0.039	-0.080	12	1.476	0.609	0.318	0.095	12	1.476	0.609	0.318	0.095	12	1.476	0.609	0.318	0.095
13	0.801	-0.109	-0.040	-0.087	13	1.452	0.632	0.326	0.106	13	1.452	0.632	0.326	0.106	13	1.452	0.632	0.326	0.106
14	0.801	-0.124	-0.040	-0.094	14	1.429	0.654	0.333	0.118	14	1.429	0.654	0.333	0.118	14	1.429	0.654	0.333	0.118
15	0.800	-0.138	-0.041	-0.102	15	1.405	0.675	0.339	0.130	15	1.405	0.675	0.339	0.130	15	1.405	0.675	0.339	0.130
16	0.799	-0.152	-0.041	-0.109	16	1.382	0.695	0.345	0.142	16	1.382	0.695	0.345	0.142	16	1.382	0.695	0.345	0.142
17	0.798	-0.166	-0.041	-0.116	17	1.359	0.715	0.351	0.153	17	1.359	0.715	0.351	0.153	17	1.359	0.715	0.351	0.153
18	0.797	-0.180	-0.041	-0.123	18	1.337	0.734	0.356	0.165	18	1.337	0.734	0.356	0.165	18	1.337	0.734	0.356	0.165
19	0.795	-0.194	-0.041	-0.130	19	1.314	0.752	0.362	0.176	19	1.314	0.752	0.362	0.176	19	1.314	0.752	0.362	0.176
20	0.793	-0.208	-0.040	-0.137	20	1.292	0.769	0.366	0.187	20	1.292	0.769	0.366	0.187	20	1.292	0.769	0.366	0.187
21	0.790	-0.223	-0.040	-0.144	21	1.270	0.786	0.371	0.197	21	1.270	0.786	0.371	0.197	21	1.270	0.786	0.371	0.197
22	0.787	-0.236	-0.039	-0.151	22	1.248	0.802	0.375	0.208	22	1.248	0.802	0.375	0.208	22	1.248	0.802	0.375	0.208
23	0.784	-0.250	-0.038	-0.158	23	1.226	0.817	0.378	0.218	23	1.226	0.817	0.378	0.218	23	1.226	0.817	0.378	0.218
24	0.780	-0.264	-0.037	-0.165	24	1.205	0.832	0.381	0.228	24	1.205	0.832	0.381	0.228	24	1.205	0.832	0.381	0.228
25	0.776	-0.278	-0.035	-0.172	25	1.183	0.847	0.384	0.237	25	1.183	0.847	0.384	0.237	25	1.183	0.847	0.384	0.237
26	0.772	-0.292	-0.034	-0.178	26	1.162	0.861	0.387	0.247	26	1.162	0.861	0.387	0.247	26	1.162	0.861	0.387	0.247
27	0.767	-0.305	-0.032	-0.185	27	1.140	0.874	0.389	0.257	27	1.140	0.874	0.389	0.257	27	1.140	0.874	0.389	0.257
28	0.762	-0.318	-0.030	-0.192	28	1.119	0.888	0.392	0.266	28	1.119	0.888	0.392	0.266	28	1.119	0.888	0.392	0.266
29	0.757	-0.332	-0.028	-0.198	29	1.097	0.900	0.394	0.275	29	1.097	0.900	0.394	0.275	29	1.097	0.900	0.394	0.275
30	0.751	-0.345	-0.026	-0.205	30	1.076	0.912	0.396	0.284	30	1.076	0.912	0.396	0.284	30	1.076	0.912	0.396	0.284
31	0.745	-0.358	-0.024	-0.212	31	1.055	0.924	0.398	0.293	31	1.055	0.924	0.398	0.293	31	1.055	0.924	0.398	0.293
32	0.739	-0.371	-0.022	-0.218	32	1.033	0.934	0.400	0.301	32	1.033	0.934	0.400	0.301	32	1.033	0.934	0.400	0.301
33	0.733	-0.383	-0.019	-0.224	33	1.012	0.945	0.401	0.310	33	1.012	0.945	0.401	0.310	33	1.012	0.945	0.401	0.310
34	0.726	-0.396	-0.016	-0.231	34	0.991	0.955	0.403	0.318	34	0.991	0.955	0.403	0.318	34	0.991	0.955	0.403	0.318
35	0.719	-0.408	-0.014	-0.237	35	0.970	0.964	0.404	0.326	35	0.970	0.964	0.404	0.326	35	0.970	0.964	0.404	0.326
36	0.712	-0.420	-0.011	-0.243	36	0.948	0.973	0.406	0.334	36	0.948	0.973	0.406	0.334	36	0.948	0.973	0.406	0.334
37	0.704	-0.432	-0.008	-0.249	37	0.927	0.982	0.407	0.342	37	0.927	0.982	0.407	0.342	37	0.927	0.982	0.407	0.342
38	0.696	-0.444	-0.005	-0.255	38	0.906	0.990	0.408	0.349	38	0.906	0.990	0.408	0.349	38	0.906	0.990	0.408	0.349
39	0.688	-0.456	-0.001	-0.261	39	0.886	0.997	0.409	0.357	39	0.886	0.997	0.409	0.357	39	0.886	0.997	0.409	0.357
40	0.680	-0.467	0.002	-0.267	40	0.865	1.004	0.410	0.364	40	0.865	1.004	0.410	0.364	40	0.865	1.004	0.410	0.364

15.

$\alpha = 0.750$					$\beta = 0.000$					$\alpha = -0.750$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.671	-0.478	0.006	-0.272	41	0.844	1.011	0.411	0.371	41	0.844	1.011	0.411	0.371	41	0.844	1.011	0.411	0.371	41
42	0.663	-0.489	0.009	-0.278	42	0.823	1.017	0.412	0.377	42	0.823	1.017	0.412	0.377	42	0.823	1.017	0.412	0.377	42
43	0.653	-0.500	0.013	-0.283	43	0.803	1.022	0.413	0.384	43	0.803	1.022	0.413	0.384	43	0.803	1.022	0.413	0.384	43
44	0.644	-0.510	0.016	-0.289	44	0.782	1.028	0.414	0.390	44	0.782	1.028	0.414	0.390	44	0.782	1.028	0.414	0.390	44
45	0.635	-0.521	0.020	-0.294	45	0.762	1.032	0.414	0.396	45	0.762	1.032	0.414	0.396	45	0.762	1.032	0.414	0.396	45
46	0.625	-0.531	0.024	-0.299	46	0.742	1.037	0.415	0.402	46	0.742	1.037	0.415	0.402	46	0.742	1.037	0.415	0.402	46
47	0.615	-0.540	0.028	-0.304	47	0.722	1.040	0.416	0.407	47	0.722	1.040	0.416	0.407	47	0.722	1.040	0.416	0.407	47
48	0.605	-0.550	0.032	-0.309	48	0.702	1.044	0.416	0.413	48	0.702	1.044	0.416	0.413	48	0.702	1.044	0.416	0.413	48
49	0.595	-0.559	0.036	-0.313	49	0.682	1.047	0.417	0.418	49	0.682	1.047	0.417	0.418	49	0.682	1.047	0.417	0.418	49
50	0.585	-0.568	0.041	-0.318	50	0.662	1.049	0.417	0.423	50	0.662	1.049	0.417	0.423	50	0.662	1.049	0.417	0.423	50
51	0.574	-0.577	0.045	-0.323	51	0.643	1.052	0.418	0.427	51	0.643	1.052	0.418	0.427	51	0.643	1.052	0.418	0.427	51
52	0.563	-0.585	0.049	-0.327	52	0.623	1.053	0.418	0.432	52	0.623	1.053	0.418	0.432	52	0.623	1.053	0.418	0.432	52
53	0.552	-0.593	0.054	-0.331	53	0.604	1.055	0.418	0.436	53	0.604	1.055	0.418	0.436	53	0.604	1.055	0.418	0.436	53
54	0.542	-0.601	0.058	-0.335	54	0.585	1.056	0.419	0.440	54	0.585	1.056	0.419	0.440	54	0.585	1.056	0.419	0.440	54
55	0.530	-0.609	0.063	-0.339	55	0.566	1.056	0.419	0.444	55	0.566	1.056	0.419	0.444	55	0.566	1.056	0.419	0.444	55
56	0.519	-0.616	0.067	-0.343	56	0.547	1.057	0.419	0.448	56	0.547	1.057	0.419	0.448	56	0.547	1.057	0.419	0.448	56
57	0.508	-0.623	0.072	-0.347	57	0.529	1.057	0.419	0.451	57	0.529	1.057	0.419	0.451	57	0.529	1.057	0.419	0.451	57
58	0.496	-0.630	0.077	-0.350	58	0.511	1.056	0.419	0.455	58	0.511	1.056	0.419	0.455	58	0.511	1.056	0.419	0.455	58
59	0.484	-0.637	0.081	-0.354	59	0.492	1.055	0.420	0.458	59	0.492	1.055	0.420	0.458	59	0.492	1.055	0.420	0.458	59
60	0.473	-0.643	0.086	-0.357	60	0.474	1.054	0.420	0.461	60	0.474	1.054	0.420	0.461	60	0.474	1.054	0.420	0.461	60
61	0.461	-0.649	0.091	-0.360	61	0.456	1.053	0.420	0.463	61	0.456	1.053	0.420	0.463	61	0.456	1.053	0.420	0.463	61
62	0.449	-0.654	0.095	-0.363	62	0.439	1.051	0.420	0.466	62	0.439	1.051	0.420	0.466	62	0.439	1.051	0.420	0.466	62
63	0.437	-0.660	0.100	-0.366	63	0.421	1.049	0.420	0.468	63	0.421	1.049	0.420	0.468	63	0.421	1.049	0.420	0.468	63
64	0.425	-0.665	0.105	-0.369	64	0.404	1.046	0.420	0.470	64	0.404	1.046	0.420	0.470	64	0.404	1.046	0.420	0.470	64
65	0.413	-0.670	0.110	-0.372	65	0.387	1.044	0.420	0.472	65	0.387	1.044	0.420	0.472	65	0.387	1.044	0.420	0.472	65
66	0.401	-0.674	0.114	-0.374	66	0.370	1.041	0.420	0.474	66	0.370	1.041	0.420	0.474	66	0.370	1.041	0.420	0.474	66
67	0.389	-0.678	0.119	-0.376	67	0.354	1.037	0.420	0.475	67	0.354	1.037	0.420	0.475	67	0.354	1.037	0.420	0.475	67
68	0.376	-0.682	0.124	-0.379	68	0.337	1.034	0.420	0.476	68	0.337	1.034	0.420	0.476	68	0.337	1.034	0.420	0.476	68
69	0.364	-0.686	0.129	-0.381	69	0.321	1.030	0.420	0.478	69	0.321	1.030	0.420	0.478	69	0.321	1.030	0.420	0.478	69
70	0.352	-0.689	0.134	-0.383	70	0.305	1.026	0.419	0.479	70	0.305	1.026	0.419	0.479	70	0.305	1.026	0.419	0.479	70
71	0.340	-0.692	0.138	-0.384	71	0.289	1.021	0.419	0.479	71	0.289	1.021	0.419	0.479	71	0.289	1.021	0.419	0.479	71
72	0.327	-0.695	0.143	-0.386	72	0.274	1.017	0.419	0.480	72	0.274	1.017	0.419	0.480	72	0.274	1.017	0.419	0.480	72
73	0.315	-0.697	0.148	-0.388	73	0.259	1.012	0.419	0.480	73	0.259	1.012	0.419	0.480	73	0.259	1.012	0.419	0.480	73
74	0.303	-0.699	0.152	-0.389	74	0.244	1.006	0.419	0.481	74	0.244	1.006	0.419	0.481	74	0.244	1.006	0.419	0.481	74
75	0.291	-0.701	0.157	-0.390	75	0.229	1.001	0.418	0.481	75	0.229	1.001	0.418	0.481	75	0.229	1.001	0.418	0.481	75

16.

$\alpha = 0.750$					$\beta = 0.000$					$\alpha = -0.750$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
76	0.278	-0.702	0.162	-0.391	76	0.214	0.995	0.418	0.481	76	0.214	0.995	0.418	0.481	76	0.214	0.995	0.418	0.481	76
77	0.266	-0.704	0.166	-0.392	77	0.200	0.990	0.418	0.480	77	0.200	0.990	0.418	0.480	77	0.200	0.990	0.418	0.480	77
78	0.254	-0.705	0.171	-0.393	78	0.186	0.983	0.417	0.480	78	0.186	0.983	0.417	0.480	78	0.186	0.983	0.417	0.480	78
79	0.242	-0.705	0.175	-0.394	79	0.172	0.977	0.417	0.479	79	0.172	0.977	0.417	0.479	79	0.172	0.977	0.417	0.479	79
80	0.230	-0.706	0.180	-0.394	80	0.158	0.971	0.416	0.479	80	0.158	0.971	0.416	0.479	80	0.158	0.971	0.416	0.479	80
81	0.218	-0.706	0.184	-0.395	81	0.145	0.964	0.416	0.478	81	0.145	0.964	0.416	0.478	81	0.145	0.964	0.416	0.478	81
82	0.206	-0.705	0.188	-0.395	82	0.131	0.957	0.415	0.477	82	0.131	0.957	0.415	0.477	82	0.131	0.957	0.415	0.477	82
83	0.194	-0.705	0.192	-0.395	83	0.118	0.950	0.415	0.476	83	0.118	0.950	0.415	0.476	83	0.118	0.950	0.415	0.476	83
84	0.182	-0.704	0.197	-0.395	84	0.106	0.942	0.414	0.474	84	0.106	0.942	0.414	0.474	84	0.106	0.942	0.414	0.474	84
85	0.171	-0.703	0.201	-0.395	85	0.093	0.935	0.414	0.473	85	0.093	0.935	0.414	0.473	85	0.093	0.935	0.414	0.473	85
86	0.159	-0.702	0.205	-0.395	86	0.081	0.927	0.413	0.471	86	0.081	0.927	0.413	0.471	86	0.081	0.927	0.413	0.471	86
87	0.148	-0.700	0.209	-0.394	87	0.069	0.919	0.412	0.470	87	0.069	0.919	0.412	0.470	87	0.069	0.919	0.412	0.470	87
88	0.136	-0.698	0.213	-0.394	88	0.057	0.911	0.412	0.468	88	0.057	0.911	0.412	0.468	88	0.057	0.911	0.412	0.468	88
89	0.125	-0.696	0.216	-0.393	89	0.045	0.903	0.411	0.466	89	0.045	0.903	0.411	0.466	89	0.045	0.903	0.411	0.466	89
90	0.114	-0.694	0.220	-0.392	90	0.034	0.895	0.410	0.464	90	0.034	0.895	0.410	0.464	90	0.034	0.895	0.410	0.464	90
91	0.103	-0.691	0.224	-0.391	91	0.023	0.886	0.409	0.461	91	0.023	0.886	0.409	0.461	91	0.023	0.886	0.409	0.461	91
92	0.092	-0.689	0.227	-0.391	92	0.012	0.878	0.408	0.459	92	0.012	0.878	0.408	0.459	92	0.012	0.878	0.408	0.459	92
93	0.081	-0.686	0.231	-0.389	93	0.002	0.869	0.407	0.457	93	0.002	0.869	0.407	0.457	93	0.002	0.869	0.407	0.457	93
94	0.071	-0.682	0.234	-0.388	94	-0.009	0.860	0.406	0.454	94	-0.009	0.860	0.406	0.454	94	-0.009	0.860	0.406	0.454	94
95	0.060	-0.679	0.237	-0.387	95	-0.019	0.851	0.405	0.451	95	-0.019	0.851	0.405	0.451	95	-0.019	0.851	0.405	0.451	95
96	0.050	-0.675	0.240	-0.385	96	-0.028	0.841	0.404	0.448	96	-0.028	0.841	0.404	0.448	96	-0.028	0.841	0.404	0.448	96
97	0.040	-0.671	0.243	-0.383	97	-0.038	0.832	0.402	0.445	97	-0.038	0.832	0.402	0.445	97	-0.038	0.832	0.402	0.445	97
98	0.030	-0.666	0.246	-0.382	98	-0.047	0.823	0.401	0.442	98	-0.047	0.823	0.401	0.442	98	-0.047	0.823	0.401	0.442	98
99	0.020	-0.662	0.249	-0.380	99	-0.056	0.813	0.400	0.439	99	-0.056	0.813	0.400	0.439	99	-0.056	0.813	0.400	0.439	99
100	0.011	-0.657	0.252	-0.378	100	-0.065	0.803	0.398	0.436	100	-0.065	0.803	0.398	0.436	100	-0.065	0.803	0.398	0.436	100
101	0.001	-0.652	0.255	-0.376	101	-0.074	0.794	0.397	0.433	101	-0.074	0.794	0.397	0.433	101	-0.074	0.794	0.397	0.433	101
102	-0.008	-0.647	0.257	-0.374	102	-0.082	0.784	0.395	0.429	102	-0.082	0.784	0.395	0.429	102	-0.082	0.784	0.395	0.429	102
103	-0.017	-0.642	0.259	-0.372	103	-0.090	0.774	0.394	0.426	103	-0.090	0.774	0.394	0.426	103	-0.090	0.774	0.394	0.426	103
104	-0.026	-0.636	0.262	-0.369	104	-0.098	0.764	0.392	0.422	104	-0.098	0.764	0.392	0.422	104	-0.098	0.764	0.392	0.422	104
105	-0.035	-0.631	0.264	-0.367	105	-0.106	0.754	0.390	0.418	105	-0.106	0.754	0.390	0.418	105	-0.106	0.754	0.390	0.418	105
106	-0.043	-0.625	0.266	-0.364	106	-0.113	0.743	0.389	0.414	106	-0.113	0.743	0.389	0.414	106	-0.113	0.743	0.389	0.414	106
107	-0.051	-0.619	0.268	-0.362	107	-0.120	0.733	0.387	0.411	107	-0.120	0.733	0.387	0.411	107	-0.120	0.733	0.387	0.411	107
108	-0.059	-0.613	0.269	-0.359	108	-0.127	0.723	0.385	0.407	108	-0.127	0.723	0.385	0.407	108	-0.127	0.723	0.385	0.407	108
109	-0.067	-0.606	0.271	-0.356	109	-0.134	0.712	0.383	0.402	109	-0.134	0.712	0.383	0.402	109	-0.134	0.712	0.383	0.402	109
110	-0.075	-0.600	0.272	-0.353	110	-0.140	0.702	0.381	0.398	110	-0.140	0.702	0.381	0.398	110	-0.140	0.702	0.381	0.398	110

$\alpha = 0.750$					$\beta = 0.000$					$\alpha = -0.750$					$\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
111	-0.082	-0.593	0.274	-0.350	111	-0.146	0.691	0.378	0.394	111	-0.146	0.691	0.378	0.394	111	-0.146	0.691	0.378	0.394
112	-0.089	-0.586	0.275	-0.347	112	-0.152	0.680	0.376	0.390	112	-0.152	0.680	0.376	0.390	112	-0.152	0.680	0.376	0.390
113	-0.096	-0.579	0.276	-0.344	113	-0.157	0.670	0.374	0.385	113	-0.157	0.670	0.374	0.385	113	-0.157	0.670	0.374	0.385
114	-0.103	-0.572	0.277	-0.341	114	-0.163	0.659	0.372	0.381	114	-0.163	0.659	0.372	0.381	114	-0.163	0.659	0.372	0.381
115	-0.110	-0.564	0.278	-0.338	115	-0.168	0.648	0.369	0.377	115	-0.168	0.648	0.369	0.377	115	-0.168	0.648	0.369	0.377
116	-0.116	-0.557	0.278	-0.334	116	-0.173	0.637	0.367	0.372	116	-0.173	0.637	0.367	0.372	116	-0.173	0.637	0.367	0.372
117	-0.122	-0.549	0.279	-0.331	117	-0.177	0.626	0.364	0.367	117	-0.177	0.626	0.364	0.367	117	-0.177	0.626	0.364	0.367
118	-0.128	-0.542	0.279	-0.327	118	-0.182	0.616	0.361	0.363	118	-0.182	0.616	0.361	0.363	118	-0.182	0.616	0.361	0.363
119	-0.133	-0.534	0.279	-0.324	119	-0.186	0.605	0.358	0.358	119	-0.186	0.605	0.358	0.358	119	-0.186	0.605	0.358	0.358
120	-0.139	-0.526	0.279	-0.320	120	-0.190	0.594	0.356	0.353	120	-0.190	0.594	0.356	0.353	120	-0.190	0.594	0.356	0.353
121	-0.144	-0.518	0.279	-0.316	121	-0.193	0.583	0.353	0.348	121	-0.193	0.583	0.353	0.348	121	-0.193	0.583	0.353	0.348
122	-0.149	-0.510	0.279	-0.312	122	-0.197	0.572	0.350	0.344	122	-0.197	0.572	0.350	0.344	122	-0.197	0.572	0.350	0.344
123	-0.153	-0.502	0.279	-0.309	123	-0.200	0.561	0.346	0.339	123	-0.200	0.561	0.346	0.339	123	-0.200	0.561	0.346	0.339
124	-0.158	-0.494	0.278	-0.305	124	-0.203	0.550	0.343	0.334	124	-0.203	0.550	0.343	0.334	124	-0.203	0.550	0.343	0.334
125	-0.162	-0.485	0.278	-0.301	125	-0.206	0.539	0.340	0.329	125	-0.206	0.539	0.340	0.329	125	-0.206	0.539	0.340	0.329
126	-0.166	-0.477	0.277	-0.297	126	-0.208	0.528	0.337	0.324	126	-0.208	0.528	0.337	0.324	126	-0.208	0.528	0.337	0.324
127	-0.169	-0.468	0.276	-0.293	127	-0.211	0.517	0.333	0.319	127	-0.211	0.517	0.333	0.319	127	-0.211	0.517	0.333	0.319
128	-0.173	-0.460	0.275	-0.289	128	-0.213	0.506	0.330	0.313	128	-0.213	0.506	0.330	0.313	128	-0.213	0.506	0.330	0.313
129	-0.176	-0.451	0.273	-0.284	129	-0.214	0.495	0.326	0.308	129	-0.214	0.495	0.326	0.308	129	-0.214	0.495	0.326	0.308
130	-0.179	-0.443	0.272	-0.280	130	-0.216	0.485	0.322	0.303	130	-0.216	0.485	0.322	0.303	130	-0.216	0.485	0.322	0.303
131	-0.182	-0.434	0.270	-0.276	131	-0.218	0.474	0.318	0.298	131	-0.218	0.474	0.318	0.298	131	-0.218	0.474	0.318	0.298
132	-0.184	-0.425	0.269	-0.272	132	-0.219	0.463	0.314	0.292	132	-0.219	0.463	0.314	0.292	132	-0.219	0.463	0.314	0.292
133	-0.186	-0.417	0.267	-0.267	133	-0.220	0.452	0.310	0.287	133	-0.220	0.452	0.310	0.287	133	-0.220	0.452	0.310	0.287
134	-0.188	-0.408	0.264	-0.263	134	-0.221	0.441	0.306	0.281	134	-0.221	0.441	0.306	0.281	134	-0.221	0.441	0.306	0.281
135	-0.190	-0.399	0.262	-0.258	135	-0.222	0.431	0.302	0.276	135	-0.222	0.431	0.302	0.276	135	-0.222	0.431	0.302	0.276

$\alpha = -0.600$					$\beta = 0.000$					$\alpha = -0.650$					$\beta = 0.000$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
6	1.399	-0.313	0.124	-0.053	6	1.467	0.347	0.153	0.047	6	1.399	-0.313	0.124	-0.053	6	1.467	0.347	0.153	0.047	6
7	1.380	-0.341	0.135	-0.063	7	1.444	0.378	0.166	0.058	7	1.380	-0.341	0.135	-0.063	7	1.444	0.378	0.166	0.058	7
8	1.362	-0.367	0.145	-0.074	8	1.422	0.405	0.177	0.069	8	1.362	-0.367	0.145	-0.074	8	1.422	0.405	0.177	0.069	8
9	1.344	-0.390	0.153	-0.085	9	1.402	0.430	0.187	0.080	9	1.344	-0.390	0.153	-0.085	9	1.402	0.430	0.187	0.080	9
10	1.327	-0.413	0.161	-0.096	10	1.382	0.454	0.196	0.092	10	1.327	-0.413	0.161	-0.096	10	1.382	0.454	0.196	0.092	10
11	1.310	-0.435	0.169	-0.106	11	1.363	0.476	0.204	0.102	11	1.310	-0.435	0.169	-0.106	11	1.363	0.476	0.204	0.102	11
12	1.294	-0.456	0.176	-0.117	12	1.344	0.498	0.212	0.113	12	1.294	-0.456	0.176	-0.117	12	1.344	0.498	0.212	0.113	12
13	1.278	-0.476	0.182	-0.127	13	1.326	0.519	0.219	0.124	13	1.278	-0.476	0.182	-0.127	13	1.326	0.519	0.219	0.124	13
14	1.262	-0.496	0.188	-0.137	14	1.308	0.539	0.225	0.134	14	1.262	-0.496	0.188	-0.137	14	1.308	0.539	0.225	0.134	14
15	1.246	-0.515	0.194	-0.147	15	1.290	0.559	0.231	0.145	15	1.246	-0.515	0.194	-0.147	15	1.290	0.559	0.231	0.145	15
16	1.230	-0.534	0.199	-0.157	16	1.272	0.578	0.237	0.155	16	1.230	-0.534	0.199	-0.157	16	1.272	0.578	0.237	0.155	16
17	1.214	-0.553	0.204	-0.167	17	1.254	0.597	0.242	0.165	17	1.214	-0.553	0.204	-0.167	17	1.254	0.597	0.242	0.165	17
18	1.198	-0.571	0.209	-0.177	18	1.236	0.615	0.248	0.175	18	1.198	-0.571	0.209	-0.177	18	1.236	0.615	0.248	0.175	18
19	1.182	-0.589	0.214	-0.186	19	1.218	0.633	0.252	0.185	19	1.182	-0.589	0.214	-0.186	19	1.218	0.633	0.252	0.185	19
20	1.165	-0.606	0.219	-0.196	20	1.201	0.650	0.257	0.195	20	1.165	-0.606	0.219	-0.196	20	1.201	0.650	0.257	0.195	20
21	1.149	-0.623	0.223	-0.205	21	1.183	0.667	0.262	0.205	21	1.149	-0.623	0.223	-0.205	21	1.183	0.667	0.262	0.205	21
22	1.133	-0.639	0.227	-0.214	22	1.165	0.684	0.266	0.214	22	1.133	-0.639	0.227	-0.214	22	1.165	0.684	0.266	0.214	22
23	1.117	-0.655	0.231	-0.223	23	1.147	0.700	0.270	0.223	23	1.117	-0.655	0.231	-0.223	23	1.147	0.700	0.270	0.223	23
24	1.100	-0.671	0.235	-0.232	24	1.130	0.715	0.274	0.233	24	1.100	-0.671	0.235	-0.232	24	1.130	0.715	0.274	0.233	24
25	1.084	-0.686	0.239	-0.241	25	1.112	0.730	0.277	0.242	25	1.084	-0.686	0.239	-0.241	25	1.112	0.730	0.277	0.242	25
26	1.067	-0.701	0.243	-0.250	26	1.094	0.745	0.281	0.251	26	1.067	-0.701	0.243	-0.250	26	1.094	0.745	0.281	0.251	26
27	1.051	-0.715	0.247	-0.258	27	1.076	0.759	0.285	0.259	27	1.051	-0.715	0.247	-0.258	27	1.076	0.759	0.285	0.259	27
28	1.034	-0.729	0.250	-0.267	28	1.058	0.773	0.288	0.268	28	1.034	-0.729	0.250	-0.267	28	1.058	0.773	0.288	0.268	28
29	1.017	-0.743	0.254	-0.275	29	1.040	0.786	0.291	0.276	29	1.017	-0.743	0.254	-0.275	29	1.040	0.786	0.291	0.276	29
30	1.000	-0.756	0.257	-0.283	30	1.022	0.799	0.294	0.285	30	1.000	-0.756	0.257	-0.283	30	1.022	0.799	0.294	0.285	30
31	0.983	-0.769	0.261	-0.291	31	1.003	0.812	0.298	0.293	31	0.983	-0.769	0.261	-0.291	31	1.003	0.812	0.298	0.293	31
32	0.966	-0.781	0.264	-0.299	32	0.985	0.824	0.301	0.301	32	0.966	-0.781	0.264	-0.299	32	0.985	0.824	0.301	0.301	32
33	0.949	-0.793	0.267	-0.306	33	0.967	0.835	0.303	0.309	33	0.949	-0.793	0.267	-0.306	33	0.967	0.835	0.303	0.309	33
34	0.932	-0.805	0.270	-0.314	34	0.949	0.847	0.306	0.316	34	0.932	-0.805	0.270	-0.314	34	0.949	0.847	0.306	0.316	34
35	0.914	-0.816	0.274	-0.321	35	0.930	0.857	0.309	0.324	35	0.914	-0.816	0.274	-0.321	35	0.930	0.857	0.309	0.324	35
36	0.897	-0.827	0.277	-0.328	36	0.912	0.868	0.312	0.331	36	0.897	-0.827	0.277	-0.328	36	0.912	0.868	0.312	0.331	36
37	0.879	-0.837	0.280	-0.335	37	0.893	0.878	0.315	0.338	37	0.879	-0.837	0.280	-0.335	37	0.893	0.878	0.315	0.338	37
38	0.862	-0.847	0.283	-0.342	38	0.875	0.887	0.317	0.345	38	0.862	-0.847	0.283	-0.342	38	0.875	0.887	0.317	0.345	38
39	0.845	-0.856	0.286	-0.348	39	0.856	0.896	0.320	0.352	39	0.845	-0.856	0.286	-0.348	39	0.856	0.896	0.320	0.352	39
40	0.827	-0.866	0.289	-0.355	40	0.838	0.905	0.322	0.358	40	0.827	-0.866	0.289	-0.355	40	0.838	0.905	0.322	0.358	40

19.

$\alpha = -0.600$ $\beta = 0.000$					$\alpha = -0.650$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
41	0.809	-0.874	0.292	-0.361	0.820	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	-0.890	0.297	-0.373	0.783	0.928	0.330	0.377	43
44	0.757	-0.898	0.300	-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	-0.390	0.728	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	-0.400	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	-0.430	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	0.530	-0.959	0.333	-0.437	0.530	0.988	0.358	0.442	57
58	0.513	-0.961	0.335	-0.440	0.513	0.989	0.360	0.445	58
59	0.496	-0.963	0.337	-0.443	0.495	0.990	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	0.430	-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	0.990	0.369	0.460	64
65	0.397	-0.966	0.349	-0.458	0.394	0.989	0.370	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	0.330	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	0.470	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	0.380	0.472	74
75	0.244	-0.944	0.365	-0.468	0.239	0.962	0.381	0.472	75

20.

$\alpha = -0.600$					$\alpha = -0.650$				
$\beta = 0.000$					$\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
76	0.229	-0.940	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	0.370	-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	0.470	80
81	0.160	-0.918	0.372	-0.466	0.155	0.932	0.385	0.470	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	0.920	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	-0.460	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	0.060	-0.869	0.377	-0.456	0.056	0.880	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	-0.450	0.022	0.857	0.387	0.453	92
93	0.016	-0.839	0.377	-0.447	0.012	0.849	0.387	0.450	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	-0.440	-0.019	0.824	0.385	0.443	96
97	-0.025	-0.807	0.377	-0.437	-0.029	0.815	0.385	0.440	97
98	-0.034	-0.799	0.376	-0.434	-0.038	0.806	0.384	0.437	98
99	-0.044	-0.790	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	-0.070	-0.764	0.374	-0.422	-0.074	0.770	0.381	0.424	102
103	-0.079	-0.754	0.373	-0.418	-0.082	0.761	0.380	0.421	103
104	-0.087	-0.745	0.372	-0.415	-0.090	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	0.370	-0.408	-0.106	0.732	0.376	0.410	106
107	-0.110	-0.717	0.369	-0.404	-0.113	0.722	0.375	0.406	107
108	-0.117	-0.707	0.368	-0.400	-0.120	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	-0.130	-0.687	0.365	-0.393	-0.133	0.692	0.370	0.394	110

21.

$\alpha = -0.600$ $\beta = 0.000$					$\alpha = -0.650$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
111	-0.137	-0.677	0.364	-0.389	-0.140	0.682	0.368	0.390	111
112	-0.143	-0.667	0.362	-0.384	-0.146	0.672	0.366	0.386	112
113	-0.149	-0.657	0.360	-0.380	-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	-0.160	-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	0.630	0.358	0.369	116
117	-0.170	-0.616	0.352	-0.363	-0.172	0.620	0.356	0.364	117
118	-0.174	-0.606	0.350	-0.358	-0.177	0.609	0.354	0.360	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	-0.190	-0.564	0.340	-0.340	-0.193	0.567	0.343	0.341	122
123	-0.194	-0.553	0.338	-0.335	-0.196	0.556	0.340	0.336	123
124	-0.197	-0.543	0.335	-0.330	-0.199	0.545	0.338	0.331	124
125	-0.200	-0.532	0.332	-0.325	-0.202	0.535	0.335	0.326	125
126	-0.203	-0.522	0.329	-0.320	-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	-0.210	-0.490	0.319	-0.305	-0.211	0.492	0.321	0.306	129
130	-0.211	-0.479	0.316	-0.300	-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	-0.290	-0.216	0.460	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	0.280	134
135	-0.218	-0.427	0.297	-0.274	-0.219	0.428	0.299	0.275	135

22.

$\alpha = -0.670$ $\beta = 0.000$					$\alpha = -0.700$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
6	1.497	-0.361	0.167	-0.043	1.547	0.385	0.190	0.037	6
7	1.473	-0.394	0.180	-0.055	1.520	0.419	0.205	0.049	7
8	1.450	-0.422	0.192	-0.066	1.494	0.450	0.218	0.061	8
9	1.428	-0.448	0.203	-0.078	1.470	0.477	0.230	0.072	9
10	1.407	-0.472	0.212	-0.089	1.448	0.502	0.240	0.084	10
11	1.387	-0.495	0.221	-0.100	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	0.570	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	0.140	15
16	1.291	-0.598	0.255	-0.154	1.322	0.631	0.284	0.151	16
17	1.272	-0.617	0.260	-0.164	1.301	0.650	0.290	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	0.270	-0.184	1.262	0.686	0.300	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	-0.720	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	-0.750	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	0.250	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	1.050	-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	0.850	0.340	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	0.320	-0.309	0.988	0.885	0.347	0.310	33
34	0.956	-0.865	0.323	-0.317	0.968	0.896	0.350	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	0.330	-0.339	0.909	0.925	0.356	0.340	37
38	0.881	-0.905	0.333	-0.346	0.890	0.934	0.358	0.348	38
39	0.862	-0.914	0.335	-0.353	0.870	0.942	0.360	0.355	39
40	0.843	-0.922	0.337	-0.360	0.850	0.950	0.362	0.361	40

$\alpha = -0.670$ $\beta = 0.000$					$\alpha = -0.700$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
41	0.824	-0.930	0.340	-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	-0.390	0.754	0.983	0.371	0.392	45
46	0.730	-0.963	0.350	-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	-0.420	0.640	1.009	0.379	0.423	51
52	0.620	-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	-0.440	0.548	1.019	0.385	0.443	56
57	0.530	-1.000	0.369	-0.444	0.530	1.020	0.386	0.446	57
58	0.512	-1.001	0.370	-0.447	0.512	1.021	0.387	0.450	58
59	0.495	-1.002	0.372	-0.450	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	0.460	-1.002	0.374	-0.455	0.459	1.020	0.390	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	-0.460	0.425	1.018	0.392	0.463	63
64	0.410	-1.000	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	0.380	-0.466	0.375	1.013	0.394	0.469	66
67	0.361	-0.995	0.381	-0.467	0.358	1.010	0.395	0.470	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	-0.470	0.326	1.005	0.396	0.473	69
70	0.313	-0.988	0.384	-0.471	0.310	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	0.990	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

24.

$\alpha = -0.670$ $\beta = 0.000$					$\alpha = -0.700$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
76	0.223	-0.964	0.389	-0.474	0.220	0.976	0.399	0.476	76
77	0.209	-0.960	0.389	-0.473	0.205	0.970	0.399	0.476	77
78	0.194	-0.955	0.390	-0.473	0.191	0.965	0.400	0.476	78
79	0.181	-0.949	0.390	-0.473	0.177	0.959	0.400	0.475	79
80	0.167	-0.944	0.391	-0.472	0.164	0.953	0.400	0.475	80
81	0.153	-0.938	0.391	-0.471	0.150	0.947	0.400	0.474	81
82	0.140	-0.932	0.391	-0.470	0.137	0.941	0.400	0.473	82
83	0.127	-0.926	0.392	-0.469	0.124	0.934	0.400	0.472	83
84	0.114	-0.919	0.392	-0.468	0.111	0.928	0.400	0.471	84
85	0.102	-0.913	0.392	-0.467	0.099	0.921	0.400	0.469	85
86	0.090	-0.906	0.392	-0.465	0.086	0.914	0.400	0.468	86
87	0.077	-0.899	0.392	-0.464	0.074	0.906	0.399	0.466	87
88	0.066	-0.892	0.392	-0.462	0.062	0.899	0.399	0.464	88
89	0.054	-0.884	0.392	-0.460	0.051	0.891	0.399	0.462	89
90	0.042	-0.876	0.392	-0.458	0.039	0.883	0.398	0.460	90
91	0.031	-0.869	0.391	-0.456	0.028	0.875	0.398	0.458	91
92	0.020	-0.861	0.391	-0.454	0.017	0.867	0.397	0.456	92
93	0.010	-0.853	0.391	-0.451	0.007	0.858	0.397	0.453	93
94	-0.001	-0.844	0.390	-0.449	-0.004	0.850	0.396	0.451	94
95	-0.011	-0.836	0.390	-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	-0.040	-0.810	0.387	-0.438	-0.043	0.814	0.392	0.440	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	0.390	0.433	100
101	-0.067	-0.782	0.385	-0.428	-0.070	0.786	0.389	0.430	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	0.420	104
105	-0.100	-0.744	0.380	-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	-0.130	0.707	0.377	0.400	109
110	-0.135	-0.694	0.372	-0.395	-0.137	0.697	0.375	0.396	110

25,

$\alpha = -0.670$ $\beta = 0.000$					$\alpha = -0.700$ $\beta = 0.000$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
111	-0.141	-0.684	0.370	-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	-0.160	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	0.360	-0.369	-0.170	0.634	0.362	0.370	116
117	-0.173	-0.621	0.358	-0.365	-0.175	0.623	0.360	0.366	117
118	-0.178	-0.610	0.355	-0.360	-0.179	0.612	0.357	0.361	118
119	-0.182	-0.600	0.353	-0.356	-0.183	0.602	0.355	0.357	119
120	-0.186	-0.589	0.350	-0.351	-0.187	0.591	0.352	0.352	120
121	-0.190	-0.578	0.347	-0.346	-0.191	0.580	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	-0.200	-0.546	0.339	-0.332	-0.201	0.548	0.340	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	-0.210	-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	0.320	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	-0.450	0.308	-0.286	-0.218	0.451	0.309	0.286	133
134	-0.219	-0.439	0.304	-0.280	-0.219	0.440	0.305	0.281	134
135	-0.220	-0.429	0.299	-0.275	-0.220	0.430	0.300	0.275	135

26.

$\alpha = 0.000$		$\beta = 0.250$			$\alpha = 0.000$		$\beta = -0.250$		
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
6	0.966	0.101	0.006	-0.039	0.923	0.280	-0.005	0.063	6
7	0.968	0.072	0.007	-0.046	0.921	0.283	-0.005	0.073	7
8	0.970	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	0.010	-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	0.970	-0.057	0.012	-0.079	0.904	0.320	0.000	0.123	12
13	0.968	-0.080	0.013	-0.086	0.900	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	-0.100	0.890	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	0.010	0.171	17
18	0.950	-0.190	0.020	-0.120	0.873	0.379	0.013	0.181	18
19	0.945	-0.211	0.021	-0.126	0.867	0.390	0.016	0.190	19
20	0.940	-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	-0.270	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	0.030	-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	0.250	26
27	0.890	-0.363	0.036	-0.178	0.811	0.476	0.043	0.259	27
28	0.882	-0.380	0.038	-0.184	0.803	0.486	0.047	0.267	28
29	0.873	-0.397	0.040	-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	-0.430	0.044	-0.203	0.777	0.517	0.060	0.290	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	0.750	0.547	0.073	0.311	34
35	0.813	-0.492	0.054	-0.227	0.740	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	0.790	-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	0.350	40

27.

$\alpha = 0.000$					$\beta = 0.250$					$\alpha = 0.000$					$\beta = -0.250$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.743	-0.575	0.070	-0.260	41	0.680	0.611	0.108	0.356	41	0.680	0.611	0.108	0.356	41	0.680	0.611	0.108	0.356	41
42	0.730	-0.587	0.073	-0.265	42	0.669	0.619	0.113	0.362	42	0.669	0.619	0.113	0.362	42	0.669	0.619	0.113	0.362	42
43	0.718	-0.599	0.076	-0.270	43	0.659	0.627	0.118	0.367	43	0.659	0.627	0.118	0.367	43	0.659	0.627	0.118	0.367	43
44	0.705	-0.611	0.079	-0.275	44	0.648	0.635	0.123	0.373	44	0.648	0.635	0.123	0.373	44	0.648	0.635	0.123	0.373	44
45	0.692	-0.622	0.082	-0.280	45	0.637	0.643	0.129	0.378	45	0.637	0.643	0.129	0.378	45	0.637	0.643	0.129	0.378	45
46	0.679	-0.633	0.085	-0.285	46	0.626	0.651	0.134	0.383	46	0.626	0.651	0.134	0.383	46	0.626	0.651	0.134	0.383	46
47	0.665	-0.644	0.088	-0.290	47	0.614	0.658	0.139	0.388	47	0.614	0.658	0.139	0.388	47	0.614	0.658	0.139	0.388	47
48	0.652	-0.654	0.091	-0.294	48	0.603	0.665	0.145	0.392	48	0.603	0.665	0.145	0.392	48	0.603	0.665	0.145	0.392	48
49	0.638	-0.664	0.095	-0.299	49	0.592	0.672	0.150	0.397	49	0.592	0.672	0.150	0.397	49	0.592	0.672	0.150	0.397	49
50	0.624	-0.673	0.098	-0.303	50	0.580	0.679	0.156	0.401	50	0.580	0.679	0.156	0.401	50	0.580	0.679	0.156	0.401	50
51	0.610	-0.682	0.101	-0.308	51	0.568	0.685	0.161	0.405	51	0.568	0.685	0.161	0.405	51	0.568	0.685	0.161	0.405	51
52	0.597	-0.691	0.104	-0.312	52	0.556	0.691	0.166	0.409	52	0.556	0.691	0.166	0.409	52	0.556	0.691	0.166	0.409	52
53	0.582	-0.699	0.108	-0.316	53	0.545	0.697	0.172	0.413	53	0.545	0.697	0.172	0.413	53	0.545	0.697	0.172	0.413	53
54	0.568	-0.707	0.111	-0.320	54	0.533	0.703	0.177	0.417	54	0.533	0.703	0.177	0.417	54	0.533	0.703	0.177	0.417	54
55	0.554	-0.714	0.114	-0.324	55	0.521	0.708	0.183	0.420	55	0.521	0.708	0.183	0.420	55	0.521	0.708	0.183	0.420	55
56	0.540	-0.722	0.117	-0.328	56	0.508	0.713	0.188	0.423	56	0.508	0.713	0.188	0.423	56	0.508	0.713	0.188	0.423	56
57	0.525	-0.728	0.121	-0.331	57	0.496	0.718	0.194	0.426	57	0.496	0.718	0.194	0.426	57	0.496	0.718	0.194	0.426	57
58	0.511	-0.735	0.124	-0.335	58	0.484	0.723	0.199	0.429	58	0.484	0.723	0.199	0.429	58	0.484	0.723	0.199	0.429	58
59	0.496	-0.741	0.128	-0.338	59	0.472	0.727	0.204	0.432	59	0.472	0.727	0.204	0.432	59	0.472	0.727	0.204	0.432	59
60	0.482	-0.746	0.131	-0.342	60	0.460	0.731	0.210	0.434	60	0.460	0.731	0.210	0.434	60	0.460	0.731	0.210	0.434	60
61	0.467	-0.752	0.134	-0.345	61	0.447	0.735	0.215	0.437	61	0.447	0.735	0.215	0.437	61	0.447	0.735	0.215	0.437	61
62	0.453	-0.756	0.138	-0.348	62	0.435	0.739	0.220	0.439	62	0.435	0.739	0.220	0.439	62	0.435	0.739	0.220	0.439	62
63	0.438	-0.761	0.141	-0.351	63	0.423	0.742	0.225	0.441	63	0.423	0.742	0.225	0.441	63	0.423	0.742	0.225	0.441	63
64	0.423	-0.765	0.144	-0.354	64	0.410	0.745	0.231	0.442	64	0.410	0.745	0.231	0.442	64	0.410	0.745	0.231	0.442	64
65	0.409	-0.769	0.148	-0.356	65	0.398	0.748	0.236	0.444	65	0.398	0.748	0.236	0.444	65	0.398	0.748	0.236	0.444	65
66	0.394	-0.772	0.151	-0.359	66	0.385	0.750	0.241	0.446	66	0.385	0.750	0.241	0.446	66	0.385	0.750	0.241	0.446	66
67	0.380	-0.775	0.154	-0.361	67	0.373	0.753	0.246	0.447	67	0.373	0.753	0.246	0.447	67	0.373	0.753	0.246	0.447	67
68	0.365	-0.778	0.158	-0.364	68	0.361	0.755	0.251	0.448	68	0.361	0.755	0.251	0.448	68	0.361	0.755	0.251	0.448	68
69	0.351	-0.780	0.161	-0.366	69	0.348	0.756	0.255	0.449	69	0.348	0.756	0.255	0.449	69	0.348	0.756	0.255	0.449	69
70	0.336	-0.782	0.164	-0.368	70	0.336	0.758	0.260	0.450	70	0.336	0.758	0.260	0.450	70	0.336	0.758	0.260	0.450	70
71	0.322	-0.784	0.168	-0.370	71	0.324	0.759	0.265	0.450	71	0.324	0.759	0.265	0.450	71	0.324	0.759	0.265	0.450	71
72	0.308	-0.785	0.171	-0.372	72	0.312	0.760	0.270	0.451	72	0.312	0.760	0.270	0.451	72	0.312	0.760	0.270	0.451	72
73	0.294	-0.786	0.174	-0.374	73	0.299	0.761	0.274	0.451	73	0.299	0.761	0.274	0.451	73	0.299	0.761	0.274	0.451	73
74	0.280	-0.787	0.177	-0.375	74	0.287	0.761	0.279	0.451	74	0.287	0.761	0.279	0.451	74	0.287	0.761	0.279	0.451	74
75	0.266	-0.787	0.180	-0.377	75	0.275	0.761	0.283	0.451	75	0.275	0.761	0.283	0.451	75	0.275	0.761	0.283	0.451	75

28.

$\alpha = 0.000$					$\beta = 0.250$					$\alpha = 0.000$					$\beta = -0.250$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
76	0.252	-0.787	0.184	-0.378	76	0.263	0.761	0.287	0.451	76	0.263	0.761	0.287	0.451	76	0.263	0.761	0.287	0.451
77	0.238	-0.786	0.187	-0.379	77	0.251	0.761	0.292	0.451	77	0.251	0.761	0.292	0.451	77	0.251	0.761	0.292	0.451
78	0.224	-0.785	0.190	-0.380	78	0.239	0.760	0.296	0.450	78	0.239	0.760	0.296	0.450	78	0.239	0.760	0.296	0.450
79	0.211	-0.784	0.193	-0.381	79	0.227	0.759	0.300	0.450	79	0.227	0.759	0.300	0.450	79	0.227	0.759	0.300	0.450
80	0.197	-0.783	0.196	-0.382	80	0.216	0.758	0.303	0.449	80	0.216	0.758	0.303	0.449	80	0.216	0.758	0.303	0.449
81	0.184	-0.781	0.199	-0.383	81	0.204	0.757	0.307	0.448	81	0.204	0.757	0.307	0.448	81	0.204	0.757	0.307	0.448
82	0.171	-0.779	0.201	-0.383	82	0.192	0.755	0.311	0.447	82	0.192	0.755	0.311	0.447	82	0.192	0.755	0.311	0.447
83	0.158	-0.777	0.204	-0.384	83	0.181	0.753	0.314	0.446	83	0.181	0.753	0.314	0.446	83	0.181	0.753	0.314	0.446
84	0.145	-0.774	0.207	-0.384	84	0.169	0.751	0.318	0.444	84	0.169	0.751	0.318	0.444	84	0.169	0.751	0.318	0.444
85	0.132	-0.772	0.210	-0.384	85	0.158	0.749	0.321	0.443	85	0.158	0.749	0.321	0.443	85	0.158	0.749	0.321	0.443
86	0.120	-0.768	0.213	-0.384	86	0.147	0.746	0.324	0.441	86	0.147	0.746	0.324	0.441	86	0.147	0.746	0.324	0.441
87	0.108	-0.765	0.215	-0.384	87	0.136	0.743	0.327	0.440	87	0.136	0.743	0.327	0.440	87	0.136	0.743	0.327	0.440
88	0.095	-0.761	0.218	-0.384	88	0.125	0.740	0.330	0.438	88	0.125	0.740	0.330	0.438	88	0.125	0.740	0.330	0.438
89	0.083	-0.757	0.220	-0.384	89	0.114	0.737	0.333	0.436	89	0.114	0.737	0.333	0.436	89	0.114	0.737	0.333	0.436
90	0.072	-0.753	0.223	-0.383	90	0.104	0.733	0.336	0.434	90	0.104	0.733	0.336	0.434	90	0.104	0.733	0.336	0.434
91	0.060	-0.749	0.225	-0.383	91	0.093	0.729	0.338	0.431	91	0.093	0.729	0.338	0.431	91	0.093	0.729	0.338	0.431
92	0.049	-0.744	0.227	-0.382	92	0.083	0.725	0.341	0.429	92	0.083	0.725	0.341	0.429	92	0.083	0.725	0.341	0.429
93	0.037	-0.739	0.230	-0.381	93	0.073	0.721	0.343	0.427	93	0.073	0.721	0.343	0.427	93	0.073	0.721	0.343	0.427
94	0.026	-0.734	0.232	-0.381	94	0.063	0.717	0.345	0.424	94	0.063	0.717	0.345	0.424	94	0.063	0.717	0.345	0.424
95	0.016	-0.728	0.234	-0.380	95	0.053	0.712	0.347	0.421	95	0.053	0.712	0.347	0.421	95	0.053	0.712	0.347	0.421
96	0.005	-0.722	0.236	-0.378	96	0.043	0.707	0.349	0.418	96	0.043	0.707	0.349	0.418	96	0.043	0.707	0.349	0.418
97	-0.005	-0.716	0.238	-0.377	97	0.034	0.702	0.351	0.416	97	0.034	0.702	0.351	0.416	97	0.034	0.702	0.351	0.416
98	-0.015	-0.710	0.240	-0.376	98	0.024	0.697	0.352	0.412	98	0.024	0.697	0.352	0.412	98	0.024	0.697	0.352	0.412
99	-0.025	-0.704	0.241	-0.374	99	0.015	0.692	0.354	0.409	99	0.015	0.692	0.354	0.409	99	0.015	0.692	0.354	0.409
100	-0.035	-0.698	0.243	-0.373	100	0.006	0.686	0.355	0.406	100	0.006	0.686	0.355	0.406	100	0.006	0.686	0.355	0.406
101	-0.044	-0.691	0.245	-0.371	101	-0.003	0.680	0.356	0.403	101	-0.003	0.680	0.356	0.403	101	-0.003	0.680	0.356	0.403
102	-0.053	-0.684	0.246	-0.369	102	-0.011	0.674	0.357	0.400	102	-0.011	0.674	0.357	0.400	102	-0.011	0.674	0.357	0.400
103	-0.062	-0.677	0.248	-0.368	103	-0.020	0.668	0.358	0.396	103	-0.020	0.668	0.358	0.396	103	-0.020	0.668	0.358	0.396
104	-0.071	-0.670	0.249	-0.365	104	-0.028	0.662	0.359	0.393	104	-0.028	0.662	0.359	0.393	104	-0.028	0.662	0.359	0.393
105	-0.079	-0.662	0.250	-0.363	105	-0.036	0.655	0.359	0.389	105	-0.036	0.655	0.359	0.389	105	-0.036	0.655	0.359	0.389
106	-0.088	-0.655	0.251	-0.361	106	-0.044	0.649	0.360	0.385	106	-0.044	0.649	0.360	0.385	106	-0.044	0.649	0.360	0.385
107	-0.095	-0.647	0.252	-0.359	107	-0.052	0.642	0.360	0.381	107	-0.052	0.642	0.360	0.381	107	-0.052	0.642	0.360	0.381
108	-0.103	-0.639	0.253	-0.357	108	-0.059	0.635	0.360	0.378	108	-0.059	0.635	0.360	0.378	108	-0.059	0.635	0.360	0.378
109	-0.111	-0.631	0.254	-0.354	109	-0.067	0.628	0.360	0.374	109	-0.067	0.628	0.360	0.374	109	-0.067	0.628	0.360	0.374
110	-0.118	-0.623	0.255	-0.352	110	-0.074	0.621	0.360	0.370	110	-0.074	0.621	0.360	0.370	110	-0.074	0.621	0.360	0.370

29.

$\alpha = 0.000$ $\beta = 0.250$					$\alpha = 0.000$ $\beta = -0.250$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
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	-0.340	-0.100	0.590	0.357	0.353	114
115	-0.150	-0.580	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	0.340	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	0.550	0.351	0.331	119
120	-0.175	-0.535	0.257	-0.321	-0.133	0.541	0.349	0.326	120
121	-0.180	-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	-0.150	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	-0.480	0.253	-0.299	-0.158	0.489	0.336	0.298	126
127	-0.200	-0.470	0.251	-0.295	-0.161	0.480	0.334	0.294	127
128	-0.203	-0.461	0.250	-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	-0.170	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	0.240	-0.266	-0.179	0.417	0.311	0.259	134
135	-0.214	-0.396	0.237	-0.262	-0.180	0.407	0.307	0.255	135

$\alpha = 0.500$ $\beta = 0.375$					$\alpha = -0.500$ $\beta = -0.375$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
6	0.751	0.230	-0.014	-0.026	1.087	0.550	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	0.150	-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	0.140	10
11	0.791	0.102	-0.020	-0.051	1.038	0.557	0.094	0.153	11
12	0.795	0.079	-0.021	-0.056	1.027	0.562	0.100	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	-0.030	-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	0.620	0.143	0.259	20
21	0.804	-0.111	-0.023	-0.104	0.928	0.628	0.149	0.270	21
22	0.802	-0.130	-0.023	-0.109	0.916	0.636	0.154	0.280	22
23	0.799	-0.149	-0.022	-0.115	0.904	0.644	0.160	0.290	23
24	0.796	-0.168	-0.022	-0.120	0.893	0.653	0.165	0.300	24
25	0.792	-0.187	-0.021	-0.125	0.881	0.661	0.171	0.310	25
26	0.788	-0.205	-0.020	-0.131	0.869	0.669	0.176	0.319	26
27	0.784	-0.223	-0.020	-0.136	0.857	0.677	0.181	0.328	27
28	0.779	-0.240	-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	0.820	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	-0.308	-0.014	-0.162	0.795	0.716	0.209	0.370	32
33	0.748	-0.324	-0.013	-0.167	0.782	0.724	0.214	0.378	33
34	0.740	-0.340	-0.011	-0.173	0.769	0.731	0.220	0.386	34
35	0.733	-0.355	-0.010	-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	0.400	36
37	0.716	-0.385	-0.006	-0.188	0.731	0.752	0.236	0.407	37
38	0.708	-0.400	-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

$\alpha = 0.500$					$\beta = 0.375$					$\alpha = -0.500$					$\beta = -0.375$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.680	-0.442	0.001	-0.207	41	0.678	0.776	0.258	0.431	41	0.678	0.776	0.258	0.431	41	0.678	0.776	0.258	0.431	41
42	0.670	-0.455	0.003	-0.212	42	0.665	0.782	0.263	0.437	42	0.665	0.782	0.263	0.437	42	0.665	0.782	0.263	0.437	42
43	0.660	-0.468	0.005	-0.217	43	0.652	0.788	0.269	0.442	43	0.652	0.788	0.269	0.442	43	0.652	0.788	0.269	0.442	43
44	0.649	-0.480	0.007	-0.221	44	0.639	0.793	0.274	0.447	44	0.639	0.793	0.274	0.447	44	0.639	0.793	0.274	0.447	44
45	0.639	-0.492	0.010	-0.226	45	0.626	0.798	0.279	0.452	45	0.626	0.798	0.279	0.452	45	0.626	0.798	0.279	0.452	45
46	0.628	-0.504	0.012	-0.230	46	0.612	0.803	0.284	0.457	46	0.612	0.803	0.284	0.457	46	0.612	0.803	0.284	0.457	46
47	0.617	-0.516	0.015	-0.235	47	0.599	0.807	0.290	0.461	47	0.599	0.807	0.290	0.461	47	0.599	0.807	0.290	0.461	47
48	0.606	-0.527	0.017	-0.239	48	0.586	0.811	0.295	0.465	48	0.586	0.811	0.295	0.465	48	0.586	0.811	0.295	0.465	48
49	0.594	-0.538	0.020	-0.243	49	0.572	0.815	0.300	0.469	49	0.572	0.815	0.300	0.469	49	0.572	0.815	0.300	0.469	49
50	0.582	-0.548	0.022	-0.248	50	0.559	0.819	0.305	0.473	50	0.559	0.819	0.305	0.473	50	0.559	0.819	0.305	0.473	50
51	0.571	-0.558	0.025	-0.252	51	0.546	0.823	0.310	0.477	51	0.546	0.823	0.310	0.477	51	0.546	0.823	0.310	0.477	51
52	0.559	-0.568	0.028	-0.256	52	0.532	0.826	0.315	0.480	52	0.532	0.826	0.315	0.480	52	0.532	0.826	0.315	0.480	52
53	0.547	-0.577	0.030	-0.260	53	0.519	0.829	0.320	0.483	53	0.519	0.829	0.320	0.483	53	0.519	0.829	0.320	0.483	53
54	0.534	-0.586	0.033	-0.264	54	0.506	0.832	0.325	0.486	54	0.506	0.832	0.325	0.486	54	0.506	0.832	0.325	0.486	54
55	0.522	-0.595	0.036	-0.268	55	0.492	0.834	0.329	0.488	55	0.492	0.834	0.329	0.488	55	0.492	0.834	0.329	0.488	55
56	0.509	-0.603	0.039	-0.271	56	0.479	0.837	0.334	0.491	56	0.479	0.837	0.334	0.491	56	0.479	0.837	0.334	0.491	56
57	0.497	-0.611	0.042	-0.275	57	0.466	0.839	0.339	0.493	57	0.466	0.839	0.339	0.493	57	0.466	0.839	0.339	0.493	57
58	0.484	-0.618	0.045	-0.279	58	0.453	0.841	0.343	0.495	58	0.453	0.841	0.343	0.495	58	0.453	0.841	0.343	0.495	58
59	0.471	-0.625	0.048	-0.282	59	0.439	0.842	0.348	0.497	59	0.439	0.842	0.348	0.497	59	0.439	0.842	0.348	0.497	59
60	0.458	-0.632	0.051	-0.285	60	0.426	0.843	0.352	0.498	60	0.426	0.843	0.352	0.498	60	0.426	0.843	0.352	0.498	60
61	0.445	-0.639	0.054	-0.289	61	0.413	0.844	0.356	0.500	61	0.413	0.844	0.356	0.500	61	0.413	0.844	0.356	0.500	61
62	0.432	-0.645	0.057	-0.292	62	0.400	0.845	0.360	0.501	62	0.400	0.845	0.360	0.501	62	0.400	0.845	0.360	0.501	62
63	0.419	-0.650	0.060	-0.295	63	0.387	0.846	0.364	0.502	63	0.387	0.846	0.364	0.502	63	0.387	0.846	0.364	0.502	63
64	0.406	-0.656	0.063	-0.298	64	0.374	0.846	0.368	0.503	64	0.374	0.846	0.368	0.503	64	0.374	0.846	0.368	0.503	64
65	0.393	-0.661	0.067	-0.301	65	0.362	0.846	0.372	0.503	65	0.362	0.846	0.372	0.503	65	0.362	0.846	0.372	0.503	65
66	0.379	-0.665	0.070	-0.304	66	0.349	0.846	0.376	0.504	66	0.349	0.846	0.376	0.504	66	0.349	0.846	0.376	0.504	66
67	0.366	-0.670	0.073	-0.306	67	0.336	0.846	0.380	0.504	67	0.336	0.846	0.380	0.504	67	0.336	0.846	0.380	0.504	67
68	0.353	-0.674	0.076	-0.309	68	0.323	0.845	0.383	0.504	68	0.323	0.845	0.383	0.504	68	0.323	0.845	0.383	0.504	68
69	0.340	-0.677	0.080	-0.311	69	0.311	0.844	0.387	0.504	69	0.311	0.844	0.387	0.504	69	0.311	0.844	0.387	0.504	69
70	0.327	-0.680	0.083	-0.314	70	0.299	0.843	0.390	0.503	70	0.299	0.843	0.390	0.503	70	0.299	0.843	0.390	0.503	70
71	0.313	-0.683	0.086	-0.316	71	0.286	0.842	0.393	0.503	71	0.286	0.842	0.393	0.503	71	0.286	0.842	0.393	0.503	71
72	0.300	-0.686	0.089	-0.318	72	0.274	0.840	0.397	0.502	72	0.274	0.840	0.397	0.502	72	0.274	0.840	0.397	0.502	72
73	0.287	-0.688	0.093	-0.320	73	0.262	0.838	0.400	0.501	73	0.262	0.838	0.400	0.501	73	0.262	0.838	0.400	0.501	73
74	0.274	-0.690	0.096	-0.322	74	0.250	0.836	0.403	0.500	74	0.250	0.836	0.403	0.500	74	0.250	0.836	0.403	0.500	74
75	0.261	-0.691	0.099	-0.324	75	0.238	0.834	0.405	0.499	75	0.238	0.834	0.405	0.499	75	0.238	0.834	0.405	0.499	75

$\alpha = 0.500$					$\beta = 0.375$					$\alpha = -0.500$					$\beta = -0.375$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
76	0.248	-0.693	0.103	-0.326	76	0.226	0.831	0.408	0.497	76	0.226	0.831	0.408	0.497	76	0.226	0.831	0.408	0.497	76
77	0.235	-0.693	0.106	-0.328	77	0.214	0.828	0.411	0.496	77	0.214	0.828	0.411	0.496	77	0.214	0.828	0.411	0.496	77
78	0.222	-0.694	0.109	-0.329	78	0.203	0.825	0.413	0.494	78	0.203	0.825	0.413	0.494	78	0.203	0.825	0.413	0.494	78
79	0.210	-0.694	0.112	-0.331	79	0.191	0.822	0.415	0.492	79	0.191	0.822	0.415	0.492	79	0.191	0.822	0.415	0.492	79
80	0.197	-0.694	0.116	-0.332	80	0.180	0.819	0.417	0.490	80	0.180	0.819	0.417	0.490	80	0.180	0.819	0.417	0.490	80
81	0.184	-0.694	0.119	-0.333	81	0.169	0.815	0.419	0.488	81	0.169	0.815	0.419	0.488	81	0.169	0.815	0.419	0.488	81
82	0.172	-0.693	0.122	-0.334	82	0.158	0.811	0.421	0.486	82	0.158	0.811	0.421	0.486	82	0.158	0.811	0.421	0.486	82
83	0.160	-0.692	0.125	-0.335	83	0.147	0.807	0.423	0.484	83	0.147	0.807	0.423	0.484	83	0.147	0.807	0.423	0.484	83
84	0.148	-0.691	0.128	-0.336	84	0.136	0.803	0.425	0.481	84	0.136	0.803	0.425	0.481	84	0.136	0.803	0.425	0.481	84
85	0.135	-0.689	0.131	-0.337	85	0.126	0.799	0.426	0.478	85	0.126	0.799	0.426	0.478	85	0.126	0.799	0.426	0.478	85
86	0.124	-0.687	0.135	-0.337	86	0.115	0.794	0.427	0.476	86	0.115	0.794	0.427	0.476	86	0.115	0.794	0.427	0.476	86
87	0.112	-0.685	0.138	-0.338	87	0.105	0.789	0.429	0.473	87	0.105	0.789	0.429	0.473	87	0.105	0.789	0.429	0.473	87
88	0.100	-0.682	0.141	-0.338	88	0.095	0.784	0.430	0.470	88	0.095	0.784	0.430	0.470	88	0.095	0.784	0.430	0.470	88
89	0.089	-0.680	0.144	-0.339	89	0.085	0.779	0.431	0.466	89	0.085	0.779	0.431	0.466	89	0.085	0.779	0.431	0.466	89
90	0.077	-0.677	0.147	-0.339	90	0.075	0.774	0.431	0.463	90	0.075	0.774	0.431	0.463	90	0.075	0.774	0.431	0.463	90
91	0.066	-0.673	0.149	-0.339	91	0.065	0.768	0.432	0.460	91	0.065	0.768	0.432	0.460	91	0.065	0.768	0.432	0.460	91
92	0.055	-0.670	0.152	-0.339	92	0.056	0.762	0.433	0.456	92	0.056	0.762	0.433	0.456	92	0.056	0.762	0.433	0.456	92
93	0.044	-0.666	0.155	-0.339	93	0.046	0.756	0.433	0.453	93	0.046	0.756	0.433	0.453	93	0.046	0.756	0.433	0.453	93
94	0.034	-0.662	0.158	-0.339	94	0.037	0.750	0.433	0.449	94	0.037	0.750	0.433	0.449	94	0.037	0.750	0.433	0.449	94
95	0.024	-0.658	0.161	-0.338	95	0.028	0.744	0.433	0.445	95	0.028	0.744	0.433	0.445	95	0.028	0.744	0.433	0.445	95
96	0.013	-0.653	0.163	-0.338	96	0.019	0.738	0.433	0.441	96	0.019	0.738	0.433	0.441	96	0.019	0.738	0.433	0.441	96
97	0.003	-0.649	0.166	-0.337	97	0.010	0.731	0.433	0.437	97	0.010	0.731	0.433	0.437	97	0.010	0.731	0.433	0.437	97
98	-0.007	-0.644	0.168	-0.337	98	0.002	0.724	0.433	0.433	98	0.002	0.724	0.433	0.433	98	0.002	0.724	0.433	0.433	98
99	-0.016	-0.639	0.171	-0.336	99	-0.006	0.718	0.432	0.429	99	-0.006	0.718	0.432	0.429	99	-0.006	0.718	0.432	0.429	99
100	-0.026	-0.633	0.173	-0.335	100	-0.014	0.711	0.432	0.425	100	-0.014	0.711	0.432	0.425	100	-0.014	0.711	0.432	0.425	100
101	-0.035	-0.628	0.176	-0.334	101	-0.022	0.703	0.431	0.421	101	-0.022	0.703	0.431	0.421	101	-0.022	0.703	0.431	0.421	101
102	-0.044	-0.622	0.178	-0.333	102	-0.030	0.696	0.430	0.416	102	-0.030	0.696	0.430	0.416	102	-0.030	0.696	0.430	0.416	102
103	-0.053	-0.616	0.180	-0.332	103	-0.038	0.689	0.429	0.412	103	-0.038	0.689	0.429	0.412	103	-0.038	0.689	0.429	0.412	103
104	-0.061	-0.610	0.182	-0.330	104	-0.045	0.681	0.428	0.407	104	-0.045	0.681	0.428	0.407	104	-0.045	0.681	0.428	0.407	104
105	-0.069	-0.604	0.184	-0.329	105	-0.052	0.674	0.427	0.403	105	-0.052	0.674	0.427	0.403	105	-0.052	0.674	0.427	0.403	105
106	-0.077	-0.597	0.186	-0.328	106	-0.059	0.666	0.425	0.398	106	-0.059	0.666	0.425	0.398	106	-0.059	0.666	0.425	0.398	106
107	-0.085	-0.591	0.188	-0.326	107	-0.066	0.658	0.424	0.393	107	-0.066	0.658	0.424	0.393	107	-0.066	0.658	0.424	0.393	107
108	-0.093	-0.584	0.190	-0.324	108	-0.073	0.650	0.422	0.389	108	-0.073	0.650	0.422	0.389	108	-0.073	0.650	0.422	0.389	108
109	-0.100	-0.577	0.192	-0.323	109	-0.079	0.642	0.420	0.384	109	-0.079	0.642	0.420	0.384	109	-0.079	0.642	0.420	0.384	109
110	-0.107	-0.570	0.193	-0.321	110	-0.085	0.633	0.418	0.379	110	-0.085	0.633	0.418	0.379	110	-0.085	0.633	0.418	0.379	110

$\alpha = 0.500$					$\beta = 0.375$					$\alpha = -0.500$					$\beta = -0.375$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
111	-0.114	-0.563	0.195	-0.319	111	-0.091	0.625	0.416	0.374	111	-0.091	0.625	0.416	0.374	111	-0.091	0.625	0.416	0.374
112	-0.121	-0.555	0.196	-0.317	112	-0.097	0.617	0.414	0.369	112	-0.097	0.617	0.414	0.369	112	-0.097	0.617	0.414	0.369
113	-0.127	-0.548	0.198	-0.315	113	-0.103	0.608	0.411	0.364	113	-0.103	0.608	0.411	0.364	113	-0.103	0.608	0.411	0.364
114	-0.133	-0.540	0.199	-0.312	114	-0.108	0.600	0.409	0.359	114	-0.108	0.600	0.409	0.359	114	-0.108	0.600	0.409	0.359
115	-0.139	-0.533	0.200	-0.310	115	-0.113	0.591	0.406	0.354	115	-0.113	0.591	0.406	0.354	115	-0.113	0.591	0.406	0.354
116	-0.145	-0.525	0.201	-0.308	116	-0.118	0.582	0.403	0.349	116	-0.118	0.582	0.403	0.349	116	-0.118	0.582	0.403	0.349
117	-0.150	-0.517	0.202	-0.305	117	-0.123	0.573	0.400	0.344	117	-0.123	0.573	0.400	0.344	117	-0.123	0.573	0.400	0.344
118	-0.155	-0.509	0.203	-0.303	118	-0.128	0.564	0.397	0.339	118	-0.128	0.564	0.397	0.339	118	-0.128	0.564	0.397	0.339
119	-0.160	-0.501	0.204	-0.300	119	-0.132	0.555	0.394	0.334	119	-0.132	0.555	0.394	0.334	119	-0.132	0.555	0.394	0.334
120	-0.165	-0.493	0.205	-0.297	120	-0.136	0.546	0.391	0.329	120	-0.136	0.546	0.391	0.329	120	-0.136	0.546	0.391	0.329
121	-0.169	-0.485	0.205	-0.295	121	-0.140	0.537	0.388	0.323	121	-0.140	0.537	0.388	0.323	121	-0.140	0.537	0.388	0.323
122	-0.173	-0.476	0.206	-0.292	122	-0.144	0.528	0.384	0.318	122	-0.144	0.528	0.384	0.318	122	-0.144	0.528	0.384	0.318
123	-0.177	-0.468	0.206	-0.289	123	-0.148	0.519	0.380	0.313	123	-0.148	0.519	0.380	0.313	123	-0.148	0.519	0.380	0.313
124	-0.181	-0.460	0.206	-0.286	124	-0.151	0.510	0.377	0.308	124	-0.151	0.510	0.377	0.308	124	-0.151	0.510	0.377	0.308
125	-0.184	-0.451	0.206	-0.282	125	-0.154	0.500	0.373	0.302	125	-0.154	0.500	0.373	0.302	125	-0.154	0.500	0.373	0.302
126	-0.187	-0.443	0.206	-0.279	126	-0.157	0.491	0.369	0.297	126	-0.157	0.491	0.369	0.297	126	-0.157	0.491	0.369	0.297
127	-0.190	-0.434	0.206	-0.276	127	-0.160	0.482	0.365	0.292	127	-0.160	0.482	0.365	0.292	127	-0.160	0.482	0.365	0.292
128	-0.193	-0.426	0.206	-0.273	128	-0.163	0.472	0.361	0.287	128	-0.163	0.472	0.361	0.287	128	-0.163	0.472	0.361	0.287
129	-0.195	-0.417	0.206	-0.269	129	-0.165	0.463	0.356	0.281	129	-0.165	0.463	0.356	0.281	129	-0.165	0.463	0.356	0.281
130	-0.197	-0.409	0.205	-0.266	130	-0.167	0.453	0.352	0.276	130	-0.167	0.453	0.352	0.276	130	-0.167	0.453	0.352	0.276
131	-0.199	-0.400	0.204	-0.262	131	-0.169	0.444	0.348	0.271	131	-0.169	0.444	0.348	0.271	131	-0.169	0.444	0.348	0.271
132	-0.201	-0.392	0.204	-0.259	132	-0.171	0.434	0.343	0.266	132	-0.171	0.434	0.343	0.266	132	-0.171	0.434	0.343	0.266
133	-0.202	-0.383	0.203	-0.255	133	-0.173	0.425	0.338	0.260	133	-0.173	0.425	0.338	0.260	133	-0.173	0.425	0.338	0.260
134	-0.204	-0.375	0.202	-0.252	134	-0.174	0.415	0.334	0.255	134	-0.174	0.415	0.334	0.255	134	-0.174	0.415	0.334	0.255
135	-0.205	-0.367	0.200	-0.248	135	-0.176	0.405	0.329	0.250	135	-0.176	0.405	0.329	0.250	135	-0.176	0.405	0.329	0.250

34.

$\alpha = 0.500$					$\beta = 0.250$					$\alpha = -0.500$					$\beta = -0.250$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
6	0.806	0.141	-0.016	-0.032	1.183	0.470	0.072	0.077	6											
7	0.813	0.117	-0.018	-0.038	1.170	0.476	0.080	0.090	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	-0.050	1.146	0.492	0.094	0.115	9											
10	0.827	0.049	-0.022	-0.055	1.134	0.501	0.100	0.127	10											
11	0.830	0.028	-0.023	-0.061	1.122	0.511	0.106	0.139	11											
12	0.833	0.007	-0.023	-0.067	1.110	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	-0.080	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	-0.130	-0.024	-0.110	1.024	0.597	0.149	0.229	19											
20	0.830	-0.149	-0.024	-0.116	1.011	0.608	0.154	0.240	20											
21	0.828	-0.167	-0.023	-0.122	0.998	0.619	0.159	0.250	21											
22	0.825	-0.185	-0.023	-0.128	0.986	0.630	0.164	0.260	22											
23	0.821	-0.203	-0.022	-0.134	0.973	0.641	0.169	0.270	23											
24	0.817	-0.220	-0.021	-0.140	0.960	0.652	0.174	0.279	24											
25	0.813	-0.237	-0.020	-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	0.920	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	-0.170	0.893	0.703	0.199	0.324	29											
30	0.785	-0.320	-0.013	-0.176	0.880	0.713	0.204	0.332	30											
31	0.778	-0.336	-0.012	-0.181	0.866	0.723	0.209	0.340	31											
32	0.771	-0.351	-0.010	-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	0.750	0.223	0.363	34											
35	0.748	-0.396	-0.004	-0.204	0.810	0.759	0.228	0.371	35											
36	0.740	-0.411	-0.002	-0.210	0.796	0.767	0.233	0.378	36											
37	0.731	-0.425	0.000	-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											

$\alpha = 0.500$		$\beta = 0.250$		$\alpha = -0.500$		$\beta = -0.250$			
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
41	0.693	-0.478	0.010	-0.236	0.725	0.805	0.257	0.410	41
42	0.683	-0.491	0.013	-0.241	0.710	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	0.280	0.437	46
47	0.630	-0.549	0.027	-0.266	0.638	0.842	0.285	0.442	47
48	0.618	-0.559	0.030	-0.270	0.623	0.847	0.290	0.446	48
49	0.607	-0.570	0.033	-0.275	0.608	0.851	0.294	0.451	49
50	0.595	-0.580	0.037	-0.279	0.594	0.856	0.299	0.455	50
51	0.583	-0.589	0.040	-0.284	0.579	0.860	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	0.550	0.868	0.312	0.466	53
54	0.547	-0.616	0.050	-0.296	0.536	0.871	0.316	0.469	54
55	0.534	-0.624	0.053	-0.300	0.521	0.874	0.320	0.472	55
56	0.522	-0.632	0.057	-0.304	0.507	0.877	0.324	0.475	56
57	0.509	-0.640	0.060	-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	0.480	58
59	0.483	-0.654	0.068	-0.315	0.463	0.883	0.336	0.482	59
60	0.470	-0.661	0.071	-0.318	0.449	0.885	0.340	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	0.090	-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	0.310	0.885	0.374	0.494	70
71	0.325	-0.710	0.112	-0.348	0.297	0.884	0.377	0.495	71
72	0.312	-0.712	0.116	-0.350	0.283	0.882	0.380	0.494	72
73	0.299	-0.715	0.120	-0.352	0.270	0.880	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

$\alpha = 0.500$					$\beta = 0.250$					$\alpha = -0.500$					$\beta = -0.250$									
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$				
76	0.260	-0.719	0.131	-0.357	76	0.232	0.873	0.390	0.492	76	0.232	0.873	0.390	0.492	76	0.232	0.873	0.390	0.492	76	0.232	0.873	0.390	0.492
77	0.247	-0.720	0.135	-0.359	77	0.219	0.870	0.393	0.491	77	0.219	0.870	0.393	0.491	77	0.219	0.870	0.393	0.491	77	0.219	0.870	0.393	0.491
78	0.234	-0.720	0.138	-0.360	78	0.207	0.866	0.395	0.490	78	0.207	0.866	0.395	0.490	78	0.207	0.866	0.395	0.490	78	0.207	0.866	0.395	0.490
79	0.221	-0.720	0.142	-0.361	79	0.194	0.863	0.397	0.489	79	0.194	0.863	0.397	0.489	79	0.194	0.863	0.397	0.489	79	0.194	0.863	0.397	0.489
80	0.208	-0.720	0.146	-0.362	80	0.182	0.859	0.399	0.487	80	0.182	0.859	0.399	0.487	80	0.182	0.859	0.399	0.487	80	0.182	0.859	0.399	0.487
81	0.195	-0.720	0.149	-0.363	81	0.170	0.855	0.401	0.486	81	0.170	0.855	0.401	0.486	81	0.170	0.855	0.401	0.486	81	0.170	0.855	0.401	0.486
82	0.183	-0.719	0.153	-0.364	82	0.158	0.851	0.403	0.484	82	0.158	0.851	0.403	0.484	82	0.158	0.851	0.403	0.484	82	0.158	0.851	0.403	0.484
83	0.170	-0.718	0.156	-0.365	83	0.146	0.847	0.404	0.482	83	0.146	0.847	0.404	0.482	83	0.146	0.847	0.404	0.482	83	0.146	0.847	0.404	0.482
84	0.158	-0.717	0.160	-0.365	84	0.135	0.842	0.406	0.480	84	0.135	0.842	0.406	0.480	84	0.135	0.842	0.406	0.480	84	0.135	0.842	0.406	0.480
85	0.146	-0.715	0.163	-0.366	85	0.123	0.837	0.407	0.478	85	0.123	0.837	0.407	0.478	85	0.123	0.837	0.407	0.478	85	0.123	0.837	0.407	0.478
86	0.134	-0.713	0.167	-0.366	86	0.112	0.832	0.409	0.476	86	0.112	0.832	0.409	0.476	86	0.112	0.832	0.409	0.476	86	0.112	0.832	0.409	0.476
87	0.122	-0.711	0.170	-0.366	87	0.101	0.827	0.410	0.473	87	0.101	0.827	0.410	0.473	87	0.101	0.827	0.410	0.473	87	0.101	0.827	0.410	0.473
88	0.110	-0.708	0.173	-0.366	88	0.090	0.822	0.411	0.471	88	0.090	0.822	0.411	0.471	88	0.090	0.822	0.411	0.471	88	0.090	0.822	0.411	0.471
89	0.099	-0.706	0.176	-0.366	89	0.080	0.816	0.412	0.468	89	0.080	0.816	0.412	0.468	89	0.080	0.816	0.412	0.468	89	0.080	0.816	0.412	0.468
90	0.087	-0.703	0.180	-0.366	90	0.069	0.810	0.413	0.465	90	0.069	0.810	0.413	0.465	90	0.069	0.810	0.413	0.465	90	0.069	0.810	0.413	0.465
91	0.076	-0.699	0.183	-0.366	91	0.059	0.804	0.413	0.462	91	0.059	0.804	0.413	0.462	91	0.059	0.804	0.413	0.462	91	0.059	0.804	0.413	0.462
92	0.065	-0.696	0.186	-0.366	92	0.049	0.798	0.414	0.459	92	0.049	0.798	0.414	0.459	92	0.049	0.798	0.414	0.459	92	0.049	0.798	0.414	0.459
93	0.054	-0.692	0.189	-0.365	93	0.039	0.792	0.414	0.456	93	0.039	0.792	0.414	0.456	93	0.039	0.792	0.414	0.456	93	0.039	0.792	0.414	0.456
94	0.043	-0.688	0.192	-0.364	94	0.029	0.785	0.415	0.453	94	0.029	0.785	0.415	0.453	94	0.029	0.785	0.415	0.453	94	0.029	0.785	0.415	0.453
95	0.032	-0.684	0.195	-0.364	95	0.019	0.778	0.415	0.449	95	0.019	0.778	0.415	0.449	95	0.019	0.778	0.415	0.449	95	0.019	0.778	0.415	0.449
96	0.022	-0.679	0.197	-0.363	96	0.010	0.771	0.415	0.446	96	0.010	0.771	0.415	0.446	96	0.010	0.771	0.415	0.446	96	0.010	0.771	0.415	0.446
97	0.012	-0.674	0.200	-0.362	97	0.001	0.764	0.415	0.442	97	0.001	0.764	0.415	0.442	97	0.001	0.764	0.415	0.442	97	0.001	0.764	0.415	0.442
98	0.002	-0.669	0.203	-0.361	98	-0.008	0.757	0.415	0.439	98	-0.008	0.757	0.415	0.439	98	-0.008	0.757	0.415	0.439	98	-0.008	0.757	0.415	0.439
99	-0.008	-0.664	0.205	-0.360	99	-0.017	0.750	0.414	0.435	99	-0.017	0.750	0.414	0.435	99	-0.017	0.750	0.414	0.435	99	-0.017	0.750	0.414	0.435
100	-0.018	-0.659	0.208	-0.358	100	-0.026	0.742	0.414	0.431	100	-0.026	0.742	0.414	0.431	100	-0.026	0.742	0.414	0.431	100	-0.026	0.742	0.414	0.431
101	-0.027	-0.653	0.210	-0.357	101	-0.034	0.734	0.413	0.427	101	-0.034	0.734	0.413	0.427	101	-0.034	0.734	0.413	0.427	101	-0.034	0.734	0.413	0.427
102	-0.036	-0.647	0.212	-0.355	102	-0.042	0.727	0.413	0.423	102	-0.042	0.727	0.413	0.423	102	-0.042	0.727	0.413	0.423	102	-0.042	0.727	0.413	0.423
103	-0.045	-0.641	0.215	-0.354	103	-0.050	0.719	0.412	0.419	103	-0.050	0.719	0.412	0.419	103	-0.050	0.719	0.412	0.419	103	-0.050	0.719	0.412	0.419
104	-0.054	-0.635	0.217	-0.352	104	-0.058	0.711	0.411	0.415	104	-0.058	0.711	0.411	0.415	104	-0.058	0.711	0.411	0.415	104	-0.058	0.711	0.411	0.415
105	-0.063	-0.629	0.219	-0.350	105	-0.066	0.702	0.410	0.411	105	-0.066	0.702	0.410	0.411	105	-0.066	0.702	0.410	0.411	105	-0.066	0.702	0.410	0.411
106	-0.071	-0.622	0.220	-0.348	106	-0.073	0.694	0.409	0.407	106	-0.073	0.694	0.409	0.407	106	-0.073	0.694	0.409	0.407	106	-0.073	0.694	0.409	0.407
107	-0.079	-0.616	0.222	-0.347	107	-0.080	0.685	0.407	0.402	107	-0.080	0.685	0.407	0.402	107	-0.080	0.685	0.407	0.402	107	-0.080	0.685	0.407	0.402
108	-0.087	-0.609	0.224	-0.344	108	-0.087	0.677	0.406	0.398	108	-0.087	0.677	0.406	0.398	108	-0.087	0.677	0.406	0.398	108	-0.087	0.677	0.406	0.398
109	-0.094	-0.602	0.226	-0.342	109	-0.094	0.668	0.404	0.393	109	-0.094	0.668	0.404	0.393	109	-0.094	0.668	0.404	0.393	109	-0.094	0.668	0.404	0.393
110	-0.102	-0.594	0.227	-0.340	110	-0.100	0.659	0.403	0.389	110	-0.100	0.659	0.403	0.389	110	-0.100	0.659	0.403	0.389	110	-0.100	0.659	0.403	0.389

37.

$\alpha = 0.500$					$\beta = 0.250$					$\alpha = -0.500$					$\beta = -0.250$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
111	-0.109	-0.587	0.229	-0.338	111	-0.106	0.651	0.401	0.384	111	-0.106	0.651	0.401	0.384	111	-0.106	0.651	0.401	0.384	111
112	-0.116	-0.580	0.230	-0.335	112	-0.112	0.642	0.399	0.379	112	-0.112	0.642	0.399	0.379	112	-0.112	0.642	0.399	0.379	112
113	-0.122	-0.572	0.231	-0.333	113	-0.118	0.632	0.397	0.375	113	-0.118	0.632	0.397	0.375	113	-0.118	0.632	0.397	0.375	113
114	-0.129	-0.564	0.232	-0.330	114	-0.124	0.623	0.395	0.370	114	-0.124	0.623	0.395	0.370	114	-0.124	0.623	0.395	0.370	114
115	-0.135	-0.557	0.233	-0.327	115	-0.129	0.614	0.392	0.365	115	-0.129	0.614	0.392	0.365	115	-0.129	0.614	0.392	0.365	115
116	-0.141	-0.549	0.234	-0.324	116	-0.135	0.605	0.390	0.360	116	-0.135	0.605	0.390	0.360	116	-0.135	0.605	0.390	0.360	116
117	-0.146	-0.541	0.235	-0.322	117	-0.139	0.595	0.388	0.355	117	-0.139	0.595	0.388	0.355	117	-0.139	0.595	0.388	0.355	117
118	-0.152	-0.532	0.235	-0.319	118	-0.144	0.586	0.385	0.350	118	-0.144	0.586	0.385	0.350	118	-0.144	0.586	0.385	0.350	118
119	-0.157	-0.524	0.236	-0.315	119	-0.149	0.576	0.382	0.345	119	-0.149	0.576	0.382	0.345	119	-0.149	0.576	0.382	0.345	119
120	-0.162	-0.516	0.236	-0.312	120	-0.153	0.567	0.379	0.340	120	-0.153	0.567	0.379	0.340	120	-0.153	0.567	0.379	0.340	120
121	-0.166	-0.507	0.237	-0.309	121	-0.157	0.557	0.376	0.335	121	-0.157	0.557	0.376	0.335	121	-0.157	0.557	0.376	0.335	121
122	-0.171	-0.499	0.237	-0.306	122	-0.161	0.547	0.373	0.330	122	-0.161	0.547	0.373	0.330	122	-0.161	0.547	0.373	0.330	122
123	-0.175	-0.490	0.237	-0.302	123	-0.165	0.538	0.370	0.325	123	-0.165	0.538	0.370	0.325	123	-0.165	0.538	0.370	0.325	123
124	-0.179	-0.482	0.237	-0.299	124	-0.168	0.528	0.366	0.320	124	-0.168	0.528	0.366	0.320	124	-0.168	0.528	0.366	0.320	124
125	-0.182	-0.473	0.236	-0.296	125	-0.171	0.518	0.363	0.315	125	-0.171	0.518	0.363	0.315	125	-0.171	0.518	0.363	0.315	125
126	-0.186	-0.464	0.236	-0.292	126	-0.174	0.508	0.359	0.309	126	-0.174	0.508	0.359	0.309	126	-0.174	0.508	0.359	0.309	126
127	-0.189	-0.456	0.236	-0.288	127	-0.177	0.498	0.356	0.304	127	-0.177	0.498	0.356	0.304	127	-0.177	0.498	0.356	0.304	127
128	-0.192	-0.447	0.235	-0.285	128	-0.180	0.489	0.352	0.299	128	-0.180	0.489	0.352	0.299	128	-0.180	0.489	0.352	0.299	128
129	-0.194	-0.438	0.234	-0.281	129	-0.182	0.479	0.348	0.294	129	-0.182	0.479	0.348	0.294	129	-0.182	0.479	0.348	0.294	129
130	-0.197	-0.429	0.233	-0.277	130	-0.184	0.469	0.344	0.288	130	-0.184	0.469	0.344	0.288	130	-0.184	0.469	0.344	0.288	130
131	-0.199	-0.421	0.232	-0.273	131	-0.186	0.459	0.340	0.283	131	-0.186	0.459	0.340	0.283	131	-0.186	0.459	0.340	0.283	131
132	-0.201	-0.412	0.231	-0.269	132	-0.188	0.449	0.336	0.278	132	-0.188	0.449	0.336	0.278	132	-0.188	0.449	0.336	0.278	132
133	-0.203	-0.403	0.230	-0.265	133	-0.189	0.439	0.331	0.272	133	-0.189	0.439	0.331	0.272	133	-0.189	0.439	0.331	0.272	133
134	-0.204	-0.395	0.228	-0.261	134	-0.191	0.429	0.327	0.267	134	-0.191	0.429	0.327	0.267	134	-0.191	0.429	0.327	0.267	134
135	-0.205	-0.386	0.226	-0.257	135	-0.192	0.419	0.322	0.262	135	-0.192	0.419	0.322	0.262	135	-0.192	0.419	0.322	0.262	135

$\alpha = 0.500$ $\beta = -0.125$					$\alpha = -0.500$ $\beta = 0.125$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
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	0.165	0.093	0.057	7
8	0.829	-0.134	-0.028	-0.063	1.279	0.196	0.100	0.066	8
9	0.829	-0.145	-0.030	-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	0.110	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	1.170	0.414	0.145	0.144	17
18	0.815	-0.250	-0.030	-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	1.130	0.475	0.157	0.169	20
21	0.805	-0.287	-0.027	-0.167	1.117	0.495	0.160	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	1.090	0.532	0.167	0.193	23
24	0.792	-0.324	-0.021	-0.190	1.076	0.550	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	0.180	0.224	27
28	0.770	-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	0.190	0.247	30
31	0.751	-0.408	-0.003	-0.240	0.972	0.663	0.193	0.254	31
32	0.744	-0.420	0.000	-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	0.730	-0.443	0.007	-0.261	0.925	0.706	0.202	0.275	34
35	0.722	-0.454	0.010	-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	-0.280	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	0.690	-0.497	0.026	-0.292	0.845	0.767	0.216	0.307	39
40	0.681	-0.507	0.030	-0.298	0.828	0.778	0.219	0.313	40

$\alpha = 0.500$					$\beta = -0.125$					$\alpha = -0.500$					$\beta = 0.125$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.672	-0.517	0.034	-0.304	41	0.812	0.789	0.222	0.319	41	0.812	0.789	0.222	0.319	41	0.812	0.789	0.222	0.319	41
42	0.663	-0.527	0.038	-0.310	42	0.795	0.799	0.225	0.325	42	0.795	0.799	0.225	0.325	42	0.795	0.799	0.225	0.325	42
43	0.653	-0.537	0.042	-0.315	43	0.778	0.809	0.228	0.331	43	0.778	0.809	0.228	0.331	43	0.778	0.809	0.228	0.331	43
44	0.644	-0.546	0.047	-0.321	44	0.761	0.818	0.231	0.336	44	0.761	0.818	0.231	0.336	44	0.761	0.818	0.231	0.336	44
45	0.634	-0.555	0.051	-0.326	45	0.744	0.827	0.233	0.342	45	0.744	0.827	0.233	0.342	45	0.744	0.827	0.233	0.342	45
46	0.624	-0.564	0.056	-0.331	46	0.728	0.836	0.236	0.347	46	0.728	0.836	0.236	0.347	46	0.728	0.836	0.236	0.347	46
47	0.614	-0.573	0.061	-0.336	47	0.711	0.844	0.239	0.352	47	0.711	0.844	0.239	0.352	47	0.711	0.844	0.239	0.352	47
48	0.604	-0.582	0.065	-0.341	48	0.694	0.852	0.242	0.357	48	0.694	0.852	0.242	0.357	48	0.694	0.852	0.242	0.357	48
49	0.593	-0.590	0.070	-0.346	49	0.677	0.859	0.244	0.362	49	0.677	0.859	0.244	0.362	49	0.677	0.859	0.244	0.362	49
50	0.583	-0.598	0.075	-0.350	50	0.660	0.866	0.247	0.367	50	0.660	0.866	0.247	0.367	50	0.660	0.866	0.247	0.367	50
51	0.572	-0.606	0.080	-0.355	51	0.643	0.872	0.250	0.371	51	0.643	0.872	0.250	0.371	51	0.643	0.872	0.250	0.371	51
52	0.561	-0.614	0.085	-0.359	52	0.625	0.878	0.252	0.375	52	0.625	0.878	0.252	0.375	52	0.625	0.878	0.252	0.375	52
53	0.550	-0.621	0.090	-0.363	53	0.608	0.884	0.255	0.380	53	0.608	0.884	0.255	0.380	53	0.608	0.884	0.255	0.380	53
54	0.539	-0.628	0.095	-0.367	54	0.591	0.889	0.258	0.384	54	0.591	0.889	0.258	0.384	54	0.591	0.889	0.258	0.384	54
55	0.528	-0.635	0.100	-0.371	55	0.574	0.894	0.260	0.388	55	0.574	0.894	0.260	0.388	55	0.574	0.894	0.260	0.388	55
56	0.517	-0.642	0.105	-0.374	56	0.558	0.898	0.263	0.391	56	0.558	0.898	0.263	0.391	56	0.558	0.898	0.263	0.391	56
57	0.505	-0.648	0.110	-0.378	57	0.541	0.902	0.265	0.395	57	0.541	0.902	0.265	0.395	57	0.541	0.902	0.265	0.395	57
58	0.494	-0.654	0.115	-0.381	58	0.524	0.906	0.268	0.399	58	0.524	0.906	0.268	0.399	58	0.524	0.906	0.268	0.399	58
59	0.482	-0.660	0.121	-0.384	59	0.507	0.909	0.270	0.402	59	0.507	0.909	0.270	0.402	59	0.507	0.909	0.270	0.402	59
60	0.470	-0.665	0.126	-0.388	60	0.490	0.912	0.273	0.405	60	0.490	0.912	0.273	0.405	60	0.490	0.912	0.273	0.405	60
61	0.459	-0.671	0.131	-0.390	61	0.474	0.914	0.275	0.408	61	0.474	0.914	0.275	0.408	61	0.474	0.914	0.275	0.408	61
62	0.447	-0.676	0.136	-0.393	62	0.457	0.916	0.277	0.411	62	0.457	0.916	0.277	0.411	62	0.457	0.916	0.277	0.411	62
63	0.435	-0.680	0.141	-0.396	63	0.440	0.918	0.280	0.413	63	0.440	0.918	0.280	0.413	63	0.440	0.918	0.280	0.413	63
64	0.423	-0.685	0.146	-0.398	64	0.424	0.919	0.282	0.416	64	0.424	0.919	0.282	0.416	64	0.424	0.919	0.282	0.416	64
65	0.411	-0.689	0.152	-0.400	65	0.408	0.920	0.284	0.418	65	0.408	0.920	0.284	0.418	65	0.408	0.920	0.284	0.418	65
66	0.399	-0.693	0.157	-0.403	66	0.392	0.921	0.286	0.421	66	0.392	0.921	0.286	0.421	66	0.392	0.921	0.286	0.421	66
67	0.387	-0.697	0.162	-0.405	67	0.376	0.921	0.288	0.423	67	0.376	0.921	0.288	0.423	67	0.376	0.921	0.288	0.423	67
68	0.375	-0.700	0.167	-0.406	68	0.360	0.921	0.291	0.425	68	0.360	0.921	0.291	0.425	68	0.360	0.921	0.291	0.425	68
69	0.363	-0.703	0.172	-0.408	69	0.344	0.920	0.293	0.426	69	0.344	0.920	0.293	0.426	69	0.344	0.920	0.293	0.426	69
70	0.350	-0.706	0.177	-0.409	70	0.328	0.920	0.295	0.428	70	0.328	0.920	0.295	0.428	70	0.328	0.920	0.295	0.428	70
71	0.338	-0.708	0.182	-0.411	71	0.313	0.918	0.297	0.429	71	0.313	0.918	0.297	0.429	71	0.313	0.918	0.297	0.429	71
72	0.326	-0.710	0.187	-0.412	72	0.297	0.917	0.299	0.431	72	0.297	0.917	0.299	0.431	72	0.297	0.917	0.299	0.431	72
73	0.314	-0.712	0.192	-0.413	73	0.282	0.915	0.301	0.432	73	0.282	0.915	0.301	0.432	73	0.282	0.915	0.301	0.432	73
74	0.302	-0.714	0.196	-0.414	74	0.267	0.913	0.302	0.433	74	0.267	0.913	0.302	0.433	74	0.267	0.913	0.302	0.433	74
75	0.290	-0.715	0.201	-0.415	75	0.252	0.910	0.304	0.434	75	0.252	0.910	0.304	0.434	75	0.252	0.910	0.304	0.434	75

40.

$\alpha = 0.500$					$\beta = -0.125$					$\alpha = -0.500$					$\beta = 0.125$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
76	0.278	-0.716	0.206	-0.415	76	0.237	0.909	0.306	0.434	76	0.237	0.909	0.306	0.434	76	0.237	0.909	0.306	0.434	76
77	0.266	-0.717	0.211	-0.416	77	0.223	0.905	0.308	0.435	77	0.223	0.905	0.308	0.435	77	0.223	0.905	0.308	0.435	77
78	0.254	-0.718	0.215	-0.416	78	0.208	0.901	0.309	0.435	78	0.208	0.901	0.309	0.435	78	0.208	0.901	0.309	0.435	78
79	0.242	-0.718	0.220	-0.416	79	0.194	0.898	0.311	0.435	79	0.194	0.898	0.311	0.435	79	0.194	0.898	0.311	0.435	79
80	0.230	-0.718	0.224	-0.416	80	0.180	0.894	0.312	0.435	80	0.180	0.894	0.312	0.435	80	0.180	0.894	0.312	0.435	80
81	0.218	-0.718	0.229	-0.416	81	0.166	0.889	0.314	0.435	81	0.166	0.889	0.314	0.435	81	0.166	0.889	0.314	0.435	81
82	0.207	-0.717	0.233	-0.416	82	0.153	0.885	0.315	0.435	82	0.153	0.885	0.315	0.435	82	0.153	0.885	0.315	0.435	82
83	0.195	-0.716	0.237	-0.416	83	0.140	0.880	0.317	0.435	83	0.140	0.880	0.317	0.435	83	0.140	0.880	0.317	0.435	83
84	0.183	-0.715	0.241	-0.415	84	0.126	0.875	0.318	0.435	84	0.126	0.875	0.318	0.435	84	0.126	0.875	0.318	0.435	84
85	0.172	-0.714	0.245	-0.414	85	0.113	0.870	0.319	0.434	85	0.113	0.870	0.319	0.434	85	0.113	0.870	0.319	0.434	85
86	0.161	-0.712	0.249	-0.414	86	0.101	0.864	0.320	0.433	86	0.101	0.864	0.320	0.433	86	0.101	0.864	0.320	0.433	86
87	0.149	-0.711	0.253	-0.413	87	0.088	0.859	0.321	0.432	87	0.088	0.859	0.321	0.432	87	0.088	0.859	0.321	0.432	87
88	0.138	-0.709	0.257	-0.412	88	0.076	0.853	0.322	0.431	88	0.076	0.853	0.322	0.431	88	0.076	0.853	0.322	0.431	88
89	0.127	-0.706	0.260	-0.410	89	0.064	0.846	0.323	0.430	89	0.064	0.846	0.323	0.430	89	0.064	0.846	0.323	0.430	89
90	0.116	-0.704	0.264	-0.409	90	0.052	0.840	0.324	0.429	90	0.052	0.840	0.324	0.429	90	0.052	0.840	0.324	0.429	90
91	0.105	-0.701	0.267	-0.408	91	0.040	0.833	0.325	0.428	91	0.040	0.833	0.325	0.428	91	0.040	0.833	0.325	0.428	91
92	0.095	-0.698	0.271	-0.406	92	0.029	0.826	0.326	0.426	92	0.029	0.826	0.326	0.426	92	0.029	0.826	0.326	0.426	92
93	0.084	-0.694	0.274	-0.404	93	0.018	0.819	0.326	0.424	93	0.018	0.819	0.326	0.424	93	0.018	0.819	0.326	0.424	93
94	0.074	-0.691	0.277	-0.403	94	0.007	0.812	0.327	0.423	94	0.007	0.812	0.327	0.423	94	0.007	0.812	0.327	0.423	94
95	0.064	-0.687	0.280	-0.401	95	-0.004	0.805	0.327	0.421	95	-0.004	0.805	0.327	0.421	95	-0.004	0.805	0.327	0.421	95
96	0.053	-0.683	0.283	-0.399	96	-0.014	0.797	0.328	0.419	96	-0.014	0.797	0.328	0.419	96	-0.014	0.797	0.328	0.419	96
97	0.044	-0.679	0.285	-0.397	97	-0.024	0.789	0.328	0.417	97	-0.024	0.789	0.328	0.417	97	-0.024	0.789	0.328	0.417	97
98	0.034	-0.675	0.288	-0.394	98	-0.034	0.781	0.328	0.415	98	-0.034	0.781	0.328	0.415	98	-0.034	0.781	0.328	0.415	98
99	0.024	-0.670	0.290	-0.392	99	-0.044	0.773	0.329	0.412	99	-0.044	0.773	0.329	0.412	99	-0.044	0.773	0.329	0.412	99
100	0.015	-0.665	0.293	-0.390	100	-0.053	0.764	0.329	0.410	100	-0.053	0.764	0.329	0.410	100	-0.053	0.764	0.329	0.410	100
101	0.006	-0.660	0.295	-0.387	101	-0.062	0.756	0.329	0.407	101	-0.062	0.756	0.329	0.407	101	-0.062	0.756	0.329	0.407	101
102	-0.004	-0.655	0.297	-0.384	102	-0.071	0.747	0.329	0.405	102	-0.071	0.747	0.329	0.405	102	-0.071	0.747	0.329	0.405	102
103	-0.012	-0.649	0.299	-0.382	103	-0.080	0.739	0.329	0.402	103	-0.080	0.739	0.329	0.402	103	-0.080	0.739	0.329	0.402	103
104	-0.021	-0.644	0.301	-0.379	104	-0.088	0.730	0.328	0.399	104	-0.088	0.730	0.328	0.399	104	-0.088	0.730	0.328	0.399	104
105	-0.030	-0.638	0.302	-0.376	105	-0.096	0.721	0.328	0.396	105	-0.096	0.721	0.328	0.396	105	-0.096	0.721	0.328	0.396	105
106	-0.038	-0.632	0.304	-0.373	106	-0.104	0.711	0.328	0.393	106	-0.104	0.711	0.328	0.393	106	-0.104	0.711	0.328	0.393	106
107	-0.046	-0.626	0.305	-0.370	107	-0.112	0.702	0.327	0.390	107	-0.112	0.702	0.327	0.390	107	-0.112	0.702	0.327	0.390	107
108	-0.054	-0.619	0.306	-0.366	108	-0.119	0.693	0.327	0.387	108	-0.119	0.693	0.327	0.387	108	-0.119	0.693	0.327	0.387	108
109	-0.062	-0.613	0.308	-0.363	109	-0.126	0.683	0.326	0.383	109	-0.126	0.683	0.326	0.383	109	-0.126	0.683	0.326	0.383	109
110	-0.069	-0.606	0.308	-0.360	110	-0.133	0.674	0.325	0.380	110	-0.133	0.674	0.325	0.380	110	-0.133	0.674	0.325	0.380	110

41.

$\alpha = 0.500$					$\beta = -0.125$					$\alpha = -0.500$					$\beta = 0.125$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
111	-0.077	-0.599	0.309	-0.356	111	-0.140	0.664	0.324	0.377	111	-0.140	0.664	0.324	0.377	111	-0.140	0.664	0.324	0.377	111
112	-0.084	-0.592	0.310	-0.353	112	-0.146	0.654	0.323	0.373	112	-0.146	0.654	0.323	0.373	112	-0.146	0.654	0.323	0.373	112
113	-0.090	-0.585	0.310	-0.349	113	-0.152	0.644	0.322	0.369	113	-0.152	0.644	0.322	0.369	113	-0.152	0.644	0.322	0.369	113
114	-0.097	-0.578	0.311	-0.346	114	-0.158	0.634	0.321	0.366	114	-0.158	0.634	0.321	0.366	114	-0.158	0.634	0.321	0.366	114
115	-0.103	-0.571	0.311	-0.342	115	-0.163	0.624	0.320	0.362	115	-0.163	0.624	0.320	0.362	115	-0.163	0.624	0.320	0.362	115
116	-0.110	-0.563	0.311	-0.338	116	-0.169	0.614	0.319	0.358	116	-0.169	0.614	0.319	0.358	116	-0.169	0.614	0.319	0.358	116
117	-0.116	-0.556	0.311	-0.334	117	-0.174	0.604	0.317	0.354	117	-0.174	0.604	0.317	0.354	117	-0.174	0.604	0.317	0.354	117
118	-0.121	-0.548	0.311	-0.330	118	-0.178	0.594	0.316	0.350	118	-0.178	0.594	0.316	0.350	118	-0.178	0.594	0.316	0.350	118
119	-0.127	-0.540	0.310	-0.326	119	-0.183	0.584	0.314	0.346	119	-0.183	0.584	0.314	0.346	119	-0.183	0.584	0.314	0.346	119
120	-0.132	-0.532	0.310	-0.323	120	-0.187	0.573	0.312	0.342	120	-0.187	0.573	0.312	0.342	120	-0.187	0.573	0.312	0.342	120
121	-0.137	-0.524	0.309	-0.318	121	-0.191	0.563	0.311	0.338	121	-0.191	0.563	0.311	0.338	121	-0.191	0.563	0.311	0.338	121
122	-0.142	-0.516	0.308	-0.314	122	-0.195	0.553	0.309	0.333	122	-0.195	0.553	0.309	0.333	122	-0.195	0.553	0.309	0.333	122
123	-0.147	-0.508	0.307	-0.310	123	-0.198	0.542	0.307	0.329	123	-0.198	0.542	0.307	0.329	123	-0.198	0.542	0.307	0.329	123
124	-0.151	-0.499	0.306	-0.306	124	-0.202	0.532	0.305	0.325	124	-0.202	0.532	0.305	0.325	124	-0.202	0.532	0.305	0.325	124
125	-0.155	-0.491	0.305	-0.302	125	-0.205	0.522	0.302	0.320	125	-0.205	0.522	0.302	0.320	125	-0.205	0.522	0.302	0.320	125
126	-0.159	-0.482	0.303	-0.297	126	-0.207	0.511	0.300	0.316	126	-0.207	0.511	0.300	0.316	126	-0.207	0.511	0.300	0.316	126
127	-0.163	-0.474	0.302	-0.293	127	-0.210	0.501	0.298	0.311	127	-0.210	0.501	0.298	0.311	127	-0.210	0.501	0.298	0.311	127
128	-0.166	-0.465	0.300	-0.289	128	-0.212	0.490	0.295	0.306	128	-0.212	0.490	0.295	0.306	128	-0.212	0.490	0.295	0.306	128
129	-0.169	-0.456	0.298	-0.284	129	-0.214	0.480	0.293	0.302	129	-0.214	0.480	0.293	0.302	129	-0.214	0.480	0.293	0.302	129
130	-0.172	-0.448	0.296	-0.280	130	-0.216	0.470	0.290	0.297	130	-0.216	0.470	0.290	0.297	130	-0.216	0.470	0.290	0.297	130
131	-0.175	-0.439	0.294	-0.275	131	-0.218	0.459	0.287	0.292	131	-0.218	0.459	0.287	0.292	131	-0.218	0.459	0.287	0.292	131
132	-0.178	-0.430	0.291	-0.271	132	-0.219	0.449	0.284	0.287	132	-0.219	0.449	0.284	0.287	132	-0.219	0.449	0.284	0.287	132
133	-0.180	-0.422	0.289	-0.266	133	-0.220	0.439	0.281	0.282	133	-0.220	0.439	0.281	0.282	133	-0.220	0.439	0.281	0.282	133
134	-0.182	-0.413	0.286	-0.261	134	-0.221	0.429	0.277	0.277	134	-0.221	0.429	0.277	0.277	134	-0.221	0.429	0.277	0.277	134
135	-0.184	-0.404	0.283	-0.257	135	-0.222	0.419	0.274	0.272	135	-0.222	0.419	0.274	0.272	135	-0.222	0.419	0.274	0.272	135

42.

$\alpha = 0.750$					$\beta = 0.438$					$\alpha = -0.750$					$\beta = -0.438$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
6	0.658	0.274	-0.018	-0.021	6	1.303	0.824	0.192	0.089	6	1.303	0.824	0.192	0.089	6	0.658	0.274	-0.018	-0.021	6
7	0.672	0.247	-0.020	-0.025	7	1.279	0.821	0.208	0.107	7	1.279	0.821	0.208	0.107	7	0.672	0.247	-0.020	-0.025	7
8	0.684	0.222	-0.022	-0.029	8	1.256	0.820	0.223	0.126	8	1.256	0.820	0.223	0.126	8	0.684	0.222	-0.022	-0.029	8
9	0.695	0.197	-0.024	-0.033	9	1.235	0.820	0.236	0.144	9	1.235	0.820	0.236	0.144	9	0.695	0.197	-0.024	-0.033	9
10	0.704	0.173	-0.025	-0.038	10	1.214	0.821	0.248	0.161	10	1.214	0.821	0.248	0.161	10	0.704	0.173	-0.025	-0.038	10
11	0.712	0.150	-0.027	-0.042	11	1.193	0.823	0.259	0.178	11	1.193	0.823	0.259	0.178	11	0.712	0.150	-0.027	-0.042	11
12	0.719	0.128	-0.028	-0.047	12	1.173	0.826	0.269	0.194	12	1.173	0.826	0.269	0.194	12	0.719	0.128	-0.028	-0.047	12
13	0.725	0.106	-0.029	-0.051	13	1.154	0.830	0.279	0.210	13	1.154	0.830	0.279	0.210	13	0.725	0.106	-0.029	-0.051	13
14	0.730	0.084	-0.030	-0.056	14	1.135	0.834	0.287	0.225	14	1.135	0.834	0.287	0.225	14	0.730	0.084	-0.030	-0.056	14
15	0.734	0.063	-0.031	-0.060	15	1.116	0.839	0.296	0.240	15	1.116	0.839	0.296	0.240	15	0.734	0.063	-0.031	-0.060	15
16	0.738	0.042	-0.032	-0.065	16	1.097	0.844	0.303	0.254	16	1.097	0.844	0.303	0.254	16	0.738	0.042	-0.032	-0.065	16
17	0.740	0.021	-0.033	-0.069	17	1.078	0.849	0.311	0.269	17	1.078	0.849	0.311	0.269	17	0.740	0.021	-0.033	-0.069	17
18	0.742	0.001	-0.034	-0.074	18	1.060	0.855	0.318	0.282	18	1.060	0.855	0.318	0.282	18	0.742	0.001	-0.034	-0.074	18
19	0.744	-0.019	-0.034	-0.079	19	1.042	0.861	0.325	0.296	19	1.042	0.861	0.325	0.296	19	0.744	-0.019	-0.034	-0.079	19
20	0.744	-0.038	-0.034	-0.084	20	1.024	0.867	0.331	0.309	20	1.024	0.867	0.331	0.309	20	0.744	-0.038	-0.034	-0.084	20
21	0.744	-0.058	-0.035	-0.088	21	1.006	0.873	0.338	0.321	21	1.006	0.873	0.338	0.321	21	0.744	-0.058	-0.035	-0.088	21
22	0.744	-0.077	-0.035	-0.093	22	0.988	0.879	0.344	0.333	22	0.988	0.879	0.344	0.333	22	0.744	-0.077	-0.035	-0.093	22
23	0.743	-0.096	-0.035	-0.098	23	0.970	0.884	0.350	0.345	23	0.970	0.884	0.350	0.345	23	0.743	-0.096	-0.035	-0.098	23
24	0.741	-0.114	-0.035	-0.103	24	0.952	0.890	0.355	0.357	24	0.952	0.890	0.355	0.357	24	0.741	-0.114	-0.035	-0.103	24
25	0.739	-0.133	-0.035	-0.108	25	0.935	0.896	0.361	0.368	25	0.935	0.896	0.361	0.368	25	0.739	-0.133	-0.035	-0.108	25
26	0.737	-0.151	-0.035	-0.112	26	0.917	0.901	0.366	0.378	26	0.917	0.901	0.366	0.378	26	0.737	-0.151	-0.035	-0.112	26
27	0.734	-0.169	-0.034	-0.117	27	0.900	0.907	0.371	0.389	27	0.900	0.907	0.371	0.389	27	0.734	-0.169	-0.034	-0.117	27
28	0.730	-0.186	-0.034	-0.122	28	0.883	0.912	0.377	0.399	28	0.883	0.912	0.377	0.399	28	0.730	-0.186	-0.034	-0.122	28
29	0.726	-0.203	-0.033	-0.127	29	0.865	0.917	0.382	0.408	29	0.865	0.917	0.382	0.408	29	0.726	-0.203	-0.033	-0.127	29
30	0.721	-0.220	-0.033	-0.132	30	0.848	0.922	0.386	0.418	30	0.848	0.922	0.386	0.418	30	0.721	-0.220	-0.033	-0.132	30
31	0.717	-0.237	-0.032	-0.137	31	0.831	0.926	0.391	0.426	31	0.831	0.926	0.391	0.426	31	0.717	-0.237	-0.032	-0.137	31
32	0.711	-0.253	-0.031	-0.141	32	0.814	0.931	0.396	0.435	32	0.814	0.931	0.396	0.435	32	0.711	-0.253	-0.031	-0.141	32
33	0.705	-0.269	-0.030	-0.146	33	0.798	0.935	0.400	0.443	33	0.798	0.935	0.400	0.443	33	0.705	-0.269	-0.030	-0.146	33
34	0.699	-0.285	-0.029	-0.151	34	0.781	0.939	0.405	0.451	34	0.781	0.939	0.405	0.451	34	0.699	-0.285	-0.029	-0.151	34
35	0.693	-0.301	-0.028	-0.156	35	0.764	0.942	0.409	0.459	35	0.764	0.942	0.409	0.459	35	0.693	-0.301	-0.028	-0.156	35
36	0.686	-0.316	-0.027	-0.160	36	0.748	0.946	0.413	0.466	36	0.748	0.946	0.413	0.466	36	0.686	-0.316	-0.027	-0.160	36
37	0.679	-0.331	-0.026	-0.165	37	0.731	0.949	0.417	0.473	37	0.731	0.949	0.417	0.473	37	0.679	-0.331	-0.026	-0.165	37
38	0.671	-0.345	-0.025	-0.169	38	0.715	0.952	0.421	0.479	38	0.715	0.952	0.421	0.479	38	0.671	-0.345	-0.025	-0.169	38
39	0.663	-0.360	-0.023	-0.174	39	0.699	0.955	0.425	0.486	39	0.699	0.955	0.425	0.486	39	0.663	-0.360	-0.023	-0.174	39
40	0.655	-0.374	-0.022	-0.179	40	0.683	0.957	0.429	0.492	40	0.683	0.957	0.429	0.492	40	0.655	-0.374	-0.022	-0.179	40

43.

$\alpha = 0.750$					$\beta = 0.438$					$\alpha = -0.750$					$\beta = -0.438$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.647	-0.387	-0.020	-0.183	41	0.667	0.960	0.433	0.497	41	0.667	0.960	0.433	0.497	41	0.667	0.960	0.433	0.497	41
42	0.638	-0.401	-0.019	-0.188	42	0.651	0.962	0.437	0.503	42	0.651	0.962	0.437	0.503	42	0.651	0.962	0.437	0.503	42
43	0.629	-0.414	-0.017	-0.192	43	0.635	0.963	0.440	0.508	43	0.635	0.963	0.440	0.508	43	0.635	0.963	0.440	0.508	43
44	0.620	-0.426	-0.015	-0.196	44	0.619	0.965	0.444	0.512	44	0.619	0.965	0.444	0.512	44	0.619	0.965	0.444	0.512	44
45	0.610	-0.439	-0.013	-0.201	45	0.604	0.966	0.447	0.517	45	0.604	0.966	0.447	0.517	45	0.604	0.966	0.447	0.517	45
46	0.600	-0.451	-0.011	-0.205	46	0.589	0.967	0.450	0.521	46	0.589	0.967	0.450	0.521	46	0.589	0.967	0.450	0.521	46
47	0.590	-0.462	-0.009	-0.209	47	0.573	0.968	0.453	0.525	47	0.573	0.968	0.453	0.525	47	0.573	0.968	0.453	0.525	47
48	0.580	-0.474	-0.007	-0.214	48	0.558	0.968	0.457	0.528	48	0.558	0.968	0.457	0.528	48	0.558	0.968	0.457	0.528	48
49	0.569	-0.485	-0.005	-0.218	49	0.543	0.969	0.460	0.532	49	0.543	0.969	0.460	0.532	49	0.543	0.969	0.460	0.532	49
50	0.558	-0.495	-0.003	-0.222	50	0.528	0.969	0.462	0.535	50	0.528	0.969	0.462	0.535	50	0.528	0.969	0.462	0.535	50
51	0.548	-0.506	-0.001	-0.226	51	0.513	0.969	0.465	0.538	51	0.513	0.969	0.465	0.538	51	0.513	0.969	0.465	0.538	51
52	0.536	-0.516	0.002	-0.230	52	0.498	0.968	0.468	0.540	52	0.498	0.968	0.468	0.540	52	0.498	0.968	0.468	0.540	52
53	0.525	-0.525	0.004	-0.233	53	0.484	0.968	0.471	0.542	53	0.484	0.968	0.471	0.542	53	0.484	0.968	0.471	0.542	53
54	0.514	-0.534	0.007	-0.237	54	0.469	0.967	0.473	0.544	54	0.469	0.967	0.473	0.544	54	0.469	0.967	0.473	0.544	54
55	0.502	-0.543	0.009	-0.241	55	0.455	0.966	0.476	0.546	55	0.455	0.966	0.476	0.546	55	0.455	0.966	0.476	0.546	55
56	0.490	-0.552	0.012	-0.245	56	0.441	0.964	0.478	0.548	56	0.441	0.964	0.478	0.548	56	0.441	0.964	0.478	0.548	56
57	0.479	-0.560	0.014	-0.248	57	0.427	0.963	0.480	0.549	57	0.427	0.963	0.480	0.549	57	0.427	0.963	0.480	0.549	57
58	0.467	-0.568	0.017	-0.252	58	0.413	0.961	0.483	0.550	58	0.413	0.961	0.483	0.550	58	0.413	0.961	0.483	0.550	58
59	0.454	-0.575	0.020	-0.255	59	0.399	0.959	0.485	0.551	59	0.399	0.959	0.485	0.551	59	0.399	0.959	0.485	0.551	59
60	0.442	-0.582	0.023	-0.258	60	0.386	0.957	0.487	0.552	60	0.386	0.957	0.487	0.552	60	0.386	0.957	0.487	0.552	60
61	0.430	-0.589	0.025	-0.262	61	0.372	0.954	0.488	0.552	61	0.372	0.954	0.488	0.552	61	0.372	0.954	0.488	0.552	61
62	0.418	-0.596	0.028	-0.265	62	0.359	0.952	0.490	0.552	62	0.359	0.952	0.490	0.552	62	0.359	0.952	0.490	0.552	62
63	0.405	-0.602	0.031	-0.268	63	0.345	0.949	0.492	0.552	63	0.345	0.949	0.492	0.552	63	0.345	0.949	0.492	0.552	63
64	0.393	-0.607	0.034	-0.271	64	0.332	0.946	0.494	0.552	64	0.332	0.946	0.494	0.552	64	0.332	0.946	0.494	0.552	64
65	0.380	-0.613	0.037	-0.274	65	0.319	0.943	0.495	0.551	65	0.319	0.943	0.495	0.551	65	0.319	0.943	0.495	0.551	65
66	0.368	-0.618	0.040	-0.277	66	0.307	0.939	0.496	0.550	66	0.307	0.939	0.496	0.550	66	0.307	0.939	0.496	0.550	66
67	0.355	-0.622	0.043	-0.279	67	0.294	0.936	0.498	0.550	67	0.294	0.936	0.498	0.550	67	0.294	0.936	0.498	0.550	67
68	0.342	-0.627	0.046	-0.282	68	0.282	0.932	0.499	0.549	68	0.282	0.932	0.499	0.549	68	0.282	0.932	0.499	0.549	68
69	0.330	-0.631	0.049	-0.285	69	0.269	0.928	0.500	0.547	69	0.269	0.928	0.500	0.547	69	0.269	0.928	0.500	0.547	69
70	0.317	-0.634	0.052	-0.287	70	0.257	0.924	0.501	0.546	70	0.257	0.924	0.501	0.546	70	0.257	0.924	0.501	0.546	70
71	0.305	-0.637	0.055	-0.290	71	0.245	0.919	0.502	0.544	71	0.245	0.919	0.502	0.544	71	0.245	0.919	0.502	0.544	71
72	0.292	-0.640	0.058	-0.292	72	0.233	0.915	0.503	0.542	72	0.233	0.915	0.503	0.542	72	0.233	0.915	0.503	0.542	72
73	0.279	-0.643	0.061	-0.294	73	0.221	0.910	0.503	0.540	73	0.221	0.910	0.503	0.540	73	0.221	0.910	0.503	0.540	73
74	0.267	-0.645	0.065	-0.296	74	0.210	0.905	0.504	0.538	74	0.210	0.905	0.504	0.538	74	0.210	0.905	0.504	0.538	74
75	0.254	-0.647	0.068	-0.298	75	0.198	0.900	0.504	0.536	75	0.198	0.900	0.504	0.536	75	0.198	0.900	0.504	0.536	75

44.

$\alpha = 0.750$		$\beta = 0.438$			$\alpha = -0.750$		$\beta = -0.438$			
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$	
76	0.242	-0.649	0.071	-0.300	0.187	0.895	0.505	0.533	76	
77	0.229	-0.650	0.074	-0.302	0.176	0.890	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	0.080	-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	0.090	-0.309	0.123	0.861	0.505	0.515	82	
83	0.157	-0.651	0.093	-0.310	0.113	0.854	0.504	0.512	83	
84	0.145	-0.650	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	0.110	-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	0.500	0.489	89	
90	0.077	-0.639	0.115	-0.316	0.047	0.807	0.499	0.485	90	
91	0.066	-0.636	0.118	-0.316	0.038	0.799	0.497	0.480	91	
92	0.055	-0.633	0.121	-0.316	0.029	0.792	0.496	0.476	92	
93	0.045	-0.630	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	-0.610	0.137	-0.316	-0.019	0.745	0.485	0.448	98	
99	-0.014	-0.605	0.140	-0.315	-0.026	0.737	0.483	0.443	99	
100	-0.023	-0.600	0.142	-0.315	-0.034	0.728	0.481	0.438	100	
101	-0.032	-0.595	0.145	-0.314	-0.041	0.720	0.479	0.433	101	
102	-0.041	-0.590	0.147	-0.313	-0.048	0.712	0.476	0.428	102	
103	-0.049	-0.584	0.150	-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	0.650	0.456	0.390	109	
110	-0.103	-0.542	0.165	-0.304	-0.096	0.641	0.452	0.385	110	

45,

$\alpha = 0.750$ $\beta = 0.438$					$\alpha = -0.750$ $\beta = -0.438$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
111	-0.110	-0.535	0.167	-0.302	-0.102	0.632	0.449	0.380	111
112	-0.116	-0.528	0.168	-0.300	-0.107	0.623	0.445	0.374	112
113	-0.123	-0.521	0.170	-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	-0.140	-0.499	0.175	-0.293	-0.125	0.586	0.430	0.352	116
117	-0.145	-0.492	0.176	-0.291	-0.129	0.576	0.426	0.346	117
118	-0.150	-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	-0.160	-0.469	0.179	-0.283	-0.141	0.548	0.413	0.330	120
121	-0.164	-0.461	0.180	-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	0.400	0.313	123
124	-0.175	-0.438	0.183	-0.273	-0.153	0.509	0.395	0.307	124
125	-0.179	-0.430	0.183	-0.270	-0.156	0.500	0.390	0.302	125
126	-0.182	-0.422	0.184	-0.268	-0.159	0.490	0.386	0.296	126
127	-0.185	-0.414	0.184	-0.265	-0.161	0.480	0.381	0.291	127
128	-0.187	-0.406	0.184	-0.262	-0.163	0.471	0.376	0.285	128
129	-0.190	-0.398	0.184	-0.259	-0.165	0.461	0.371	0.280	129
130	-0.192	-0.390	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	0.360	0.268	131
132	-0.195	-0.374	0.183	-0.249	-0.170	0.432	0.355	0.263	132
133	-0.197	-0.366	0.183	-0.246	-0.171	0.422	0.350	0.257	133
134	-0.198	-0.358	0.182	-0.242	-0.172	0.412	0.344	0.252	134
135	-0.199	-0.350	0.181	-0.239	-0.173	0.402	0.339	0.246	135

46.

$\alpha = 0.750$ $\beta = 0.250$					$\alpha = -0.750$ $\beta = -0.250$				
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$
6	0.751	0.152	-0.022	-0.029	1.503	0.689	0.221	0.058	6
7	0.759	0.130	-0.024	-0.034	1.471	0.704	0.239	0.075	7
8	0.765	0.108	-0.026	-0.040	1.442	0.718	0.254	0.091	8
9	0.771	0.087	-0.028	-0.045	1.415	0.730	0.268	0.107	9
10	0.776	0.067	-0.030	-0.051	1.389	0.743	0.280	0.122	10
11	0.780	0.047	-0.031	-0.057	1.364	0.755	0.292	0.137	11
12	0.783	0.027	-0.032	-0.062	1.340	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
14	0.788	-0.011	-0.035	-0.074	1.294	0.790	0.319	0.180	14
15	0.790	-0.030	-0.035	-0.079	1.272	0.802	0.327	0.194	15
16	0.791	-0.049	-0.036	-0.085	1.250	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	0.790	-0.121	-0.037	-0.109	1.166	0.858	0.360	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	-0.120	1.125	0.879	0.370	0.283	22
23	0.784	-0.173	-0.036	-0.126	1.104	0.889	0.375	0.294	23
24	0.781	-0.190	-0.036	-0.132	1.084	0.898	0.380	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	0.770	-0.240	-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	28
29	0.760	-0.272	-0.031	-0.161	0.984	0.942	0.401	0.356	29
30	0.755	-0.287	-0.030	-0.166	0.965	0.950	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	0.730	-0.348	-0.024	-0.189	0.887	0.978	0.418	0.400	34
35	0.723	-0.362	-0.022	-0.194	0.868	0.984	0.421	0.408	35
36	0.715	-0.376	-0.020	-0.200	0.849	0.989	0.424	0.416	36
37	0.708	-0.390	-0.018	-0.205	0.830	0.994	0.426	0.423	37
38	0.700	-0.404	-0.016	-0.210	0.811	0.999	0.429	0.430	38
39	0.691	-0.417	-0.014	-0.216	0.793	1.004	0.432	0.437	39
40	0.683	-0.430	-0.011	-0.221	0.774	1.008	0.434	0.444	40

47.

$\alpha = 0.750$		$\beta = 0.250$			$\alpha = -0.750$		$\beta = -0.250$			
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$	
41	0.674	-0.443	-0.009	-0.226	0.756	1.012	0.437	0.450	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	-0.480	-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	0.010	-0.260	0.630	1.030	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	0.460	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	-0.290	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	0.040	-0.297	0.478	1.030	0.465	0.517	57	
58	0.490	-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	0.050	-0.308	0.430	1.025	0.469	0.522	60	
61	0.453	-0.635	0.054	-0.311	0.414	1.023	0.470	0.524	61	
62	0.440	-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	0.390	-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	0.310	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	0.300	-0.687	0.100	-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	

48.

$\alpha = 0.750$					$\beta = 0.250$					$\alpha = -0.750$					$\beta = -0.250$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
76	0.262	-0.692	0.112	-0.348	76	0.202	0.962	0.477	0.521	76	0.202	0.962	0.477	0.521	76	0.202	0.962	0.477	0.521	76
77	0.249	-0.694	0.115	-0.350	77	0.189	0.956	0.477	0.520	77	0.189	0.956	0.477	0.520	77	0.189	0.956	0.477	0.520	77
78	0.237	-0.694	0.119	-0.351	78	0.177	0.950	0.477	0.518	78	0.177	0.950	0.477	0.518	78	0.177	0.950	0.477	0.518	78
79	0.224	-0.695	0.123	-0.352	79	0.164	0.944	0.477	0.516	79	0.164	0.944	0.477	0.516	79	0.164	0.944	0.477	0.516	79
80	0.212	-0.695	0.127	-0.353	80	0.152	0.937	0.476	0.514	80	0.152	0.937	0.476	0.514	80	0.152	0.937	0.476	0.514	80
81	0.199	-0.695	0.131	-0.355	81	0.140	0.931	0.476	0.512	81	0.140	0.931	0.476	0.512	81	0.140	0.931	0.476	0.512	81
82	0.187	-0.695	0.134	-0.356	82	0.128	0.924	0.476	0.510	82	0.128	0.924	0.476	0.510	82	0.128	0.924	0.476	0.510	82
83	0.175	-0.694	0.138	-0.356	83	0.117	0.917	0.475	0.507	83	0.117	0.917	0.475	0.507	83	0.117	0.917	0.475	0.507	83
84	0.163	-0.693	0.142	-0.357	84	0.106	0.910	0.475	0.505	84	0.106	0.910	0.475	0.505	84	0.106	0.910	0.475	0.505	84
85	0.151	-0.692	0.145	-0.358	85	0.094	0.903	0.474	0.502	85	0.094	0.903	0.474	0.502	85	0.094	0.903	0.474	0.502	85
86	0.139	-0.691	0.149	-0.358	86	0.083	0.896	0.473	0.499	86	0.083	0.896	0.473	0.499	86	0.083	0.896	0.473	0.499	86
87	0.127	-0.689	0.153	-0.358	87	0.073	0.888	0.473	0.496	87	0.073	0.888	0.473	0.496	87	0.073	0.888	0.473	0.496	87
88	0.116	-0.687	0.156	-0.359	88	0.062	0.881	0.472	0.493	88	0.062	0.881	0.472	0.493	88	0.062	0.881	0.472	0.493	88
89	0.104	-0.685	0.159	-0.359	89	0.052	0.873	0.471	0.490	89	0.052	0.873	0.471	0.490	89	0.052	0.873	0.471	0.490	89
90	0.093	-0.682	0.163	-0.359	90	0.042	0.865	0.470	0.486	90	0.042	0.865	0.470	0.486	90	0.042	0.865	0.470	0.486	90
91	0.082	-0.679	0.166	-0.358	91	0.032	0.857	0.469	0.483	91	0.032	0.857	0.469	0.483	91	0.032	0.857	0.469	0.483	91
92	0.071	-0.676	0.169	-0.358	92	0.022	0.849	0.467	0.479	92	0.022	0.849	0.467	0.479	92	0.022	0.849	0.467	0.479	92
93	0.060	-0.673	0.173	-0.358	93	0.013	0.841	0.466	0.476	93	0.013	0.841	0.466	0.476	93	0.013	0.841	0.466	0.476	93
94	0.049	-0.669	0.176	-0.357	94	0.003	0.832	0.465	0.472	94	0.003	0.832	0.465	0.472	94	0.003	0.832	0.465	0.472	94
95	0.039	-0.665	0.179	-0.357	95	-0.006	0.824	0.463	0.468	95	-0.006	0.824	0.463	0.468	95	-0.006	0.824	0.463	0.468	95
96	0.029	-0.661	0.182	-0.356	96	-0.015	0.815	0.462	0.464	96	-0.015	0.815	0.462	0.464	96	-0.015	0.815	0.462	0.464	96
97	0.018	-0.657	0.185	-0.355	97	-0.024	0.806	0.460	0.460	97	-0.024	0.806	0.460	0.460	97	-0.024	0.806	0.460	0.460	97
98	0.008	-0.653	0.188	-0.354	98	-0.032	0.797	0.458	0.456	98	-0.032	0.797	0.458	0.456	98	-0.032	0.797	0.458	0.456	98
99	-0.001	-0.648	0.191	-0.353	99	-0.040	0.788	0.456	0.452	99	-0.040	0.788	0.456	0.452	99	-0.040	0.788	0.456	0.452	99
100	-0.011	-0.643	0.193	-0.352	100	-0.048	0.779	0.455	0.447	100	-0.048	0.779	0.455	0.447	100	-0.048	0.779	0.455	0.447	100
101	-0.020	-0.637	0.196	-0.351	101	-0.056	0.770	0.452	0.443	101	-0.056	0.770	0.452	0.443	101	-0.056	0.770	0.452	0.443	101
102	-0.029	-0.632	0.198	-0.349	102	-0.064	0.761	0.450	0.438	102	-0.064	0.761	0.450	0.438	102	-0.064	0.761	0.450	0.438	102
103	-0.038	-0.627	0.201	-0.348	103	-0.071	0.752	0.448	0.434	103	-0.071	0.752	0.448	0.434	103	-0.071	0.752	0.448	0.434	103
104	-0.047	-0.621	0.203	-0.346	104	-0.079	0.742	0.446	0.429	104	-0.079	0.742	0.446	0.429	104	-0.079	0.742	0.446	0.429	104
105	-0.056	-0.615	0.206	-0.344	105	-0.086	0.733	0.444	0.425	105	-0.086	0.733	0.444	0.425	105	-0.086	0.733	0.444	0.425	105
106	-0.064	-0.609	0.208	-0.343	106	-0.092	0.723	0.441	0.420	106	-0.092	0.723	0.441	0.420	106	-0.092	0.723	0.441	0.420	106
107	-0.072	-0.602	0.210	-0.341	107	-0.099	0.713	0.439	0.415	107	-0.099	0.713	0.439	0.415	107	-0.099	0.713	0.439	0.415	107
108	-0.080	-0.596	0.212	-0.339	108	-0.105	0.703	0.436	0.410	108	-0.105	0.703	0.436	0.410	108	-0.105	0.703	0.436	0.410	108
109	-0.088	-0.589	0.214	-0.337	109	-0.112	0.694	0.433	0.405	109	-0.112	0.694	0.433	0.405	109	-0.112	0.694	0.433	0.405	109
110	-0.095	-0.582	0.216	-0.335	110	-0.118	0.684	0.430	0.400	110	-0.118	0.684	0.430	0.400	110	-0.118	0.684	0.430	0.400	110

49.

$\alpha = 0.750$					$\beta = 0.250$					$\alpha = -0.750$					$\beta = -0.250$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
111	-0.102	-0.575	0.217	-0.332	111	-0.123	0.674	0.427	0.395	111	-0.123	0.674	0.427	0.395	111	-0.123	0.674	0.427	0.395
112	-0.109	-0.568	0.219	-0.330	112	-0.129	0.664	0.424	0.390	112	-0.129	0.664	0.424	0.390	112	-0.129	0.664	0.424	0.390
113	-0.116	-0.561	0.220	-0.328	113	-0.134	0.654	0.421	0.385	113	-0.134	0.654	0.421	0.385	113	-0.134	0.654	0.421	0.385
114	-0.122	-0.554	0.222	-0.325	114	-0.139	0.643	0.418	0.380	114	-0.139	0.643	0.418	0.380	114	-0.139	0.643	0.418	0.380
115	-0.129	-0.546	0.223	-0.323	115	-0.144	0.633	0.415	0.375	115	-0.144	0.633	0.415	0.375	115	-0.144	0.633	0.415	0.375
116	-0.134	-0.539	0.224	-0.320	116	-0.149	0.623	0.412	0.370	116	-0.149	0.623	0.412	0.370	116	-0.149	0.623	0.412	0.370
117	-0.140	-0.531	0.225	-0.317	117	-0.153	0.613	0.408	0.364	117	-0.153	0.613	0.408	0.364	117	-0.153	0.613	0.408	0.364
118	-0.146	-0.523	0.226	-0.314	118	-0.157	0.602	0.404	0.359	118	-0.157	0.602	0.404	0.359	118	-0.157	0.602	0.404	0.359
119	-0.151	-0.515	0.227	-0.311	119	-0.162	0.592	0.401	0.354	119	-0.162	0.592	0.401	0.354	119	-0.162	0.592	0.401	0.354
120	-0.156	-0.507	0.227	-0.308	120	-0.165	0.582	0.397	0.348	120	-0.165	0.582	0.397	0.348	120	-0.165	0.582	0.397	0.348
121	-0.161	-0.499	0.228	-0.305	121	-0.169	0.571	0.393	0.343	121	-0.169	0.571	0.393	0.343	121	-0.169	0.571	0.393	0.343
122	-0.165	-0.491	0.228	-0.302	122	-0.172	0.561	0.389	0.338	122	-0.172	0.561	0.389	0.338	122	-0.172	0.561	0.389	0.338
123	-0.169	-0.483	0.229	-0.299	123	-0.176	0.551	0.385	0.332	123	-0.176	0.551	0.385	0.332	123	-0.176	0.551	0.385	0.332
124	-0.173	-0.474	0.229	-0.295	124	-0.179	0.540	0.381	0.327	124	-0.179	0.540	0.381	0.327	124	-0.179	0.540	0.381	0.327
125	-0.177	-0.466	0.229	-0.292	125	-0.181	0.530	0.377	0.321	125	-0.181	0.530	0.377	0.321	125	-0.181	0.530	0.377	0.321
126	-0.181	-0.458	0.229	-0.289	126	-0.184	0.519	0.373	0.316	126	-0.184	0.519	0.373	0.316	126	-0.184	0.519	0.373	0.316
127	-0.184	-0.449	0.229	-0.285	127	-0.186	0.509	0.368	0.310	127	-0.186	0.509	0.368	0.310	127	-0.186	0.509	0.368	0.310
128	-0.187	-0.441	0.228	-0.281	128	-0.189	0.498	0.364	0.305	128	-0.189	0.498	0.364	0.305	128	-0.189	0.498	0.364	0.305
129	-0.190	-0.432	0.228	-0.278	129	-0.191	0.488	0.360	0.299	129	-0.191	0.488	0.360	0.299	129	-0.191	0.488	0.360	0.299
130	-0.192	-0.424	0.227	-0.274	130	-0.192	0.477	0.355	0.294	130	-0.192	0.477	0.355	0.294	130	-0.192	0.477	0.355	0.294
131	-0.195	-0.415	0.226	-0.270	131	-0.194	0.467	0.350	0.288	131	-0.194	0.467	0.350	0.288	131	-0.194	0.467	0.350	0.288
132	-0.197	-0.407	0.225	-0.266	132	-0.195	0.456	0.346	0.282	132	-0.195	0.456	0.346	0.282	132	-0.195	0.456	0.346	0.282
133	-0.198	-0.398	0.224	-0.262	133	-0.197	0.446	0.341	0.277	133	-0.197	0.446	0.341	0.277	133	-0.197	0.446	0.341	0.277
134	-0.200	-0.390	0.223	-0.259	134	-0.198	0.435	0.336	0.271	134	-0.198	0.435	0.336	0.271	134	-0.198	0.435	0.336	0.271
135	-0.201	-0.381	0.221	-0.255	135	-0.199	0.425	0.331	0.265	135	-0.199	0.425	0.331	0.265	135	-0.199	0.425	0.331	0.265

50.

$\alpha = 0.750$					$\beta = -0.063$					$\alpha = -0.750$					$\beta = 0.063$									
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$				
6	0.785	-0.052	-0.029	-0.040	6	1.657	0.346	0.244	0.010	6	0.785	-0.052	-0.029	-0.040	6	0.785	-0.052	-0.029	-0.040	6	0.785	-0.052	-0.029	-0.040
7	0.788	-0.063	-0.031	-0.048	7	1.627	0.394	0.261	0.022	7	0.788	-0.063	-0.031	-0.048	7	0.788	-0.063	-0.031	-0.048	7	0.788	-0.063	-0.031	-0.048
8	0.790	-0.074	-0.034	-0.055	8	1.598	0.435	0.276	0.035	8	0.790	-0.074	-0.034	-0.055	8	0.790	-0.074	-0.034	-0.055	8	0.790	-0.074	-0.034	-0.055
9	0.791	-0.086	-0.036	-0.062	9	1.571	0.470	0.288	0.046	9	0.791	-0.086	-0.036	-0.062	9	0.791	-0.086	-0.036	-0.062	9	0.791	-0.086	-0.036	-0.062
10	0.793	-0.098	-0.038	-0.070	10	1.545	0.502	0.298	0.058	10	0.793	-0.098	-0.038	-0.070	10	0.793	-0.098	-0.038	-0.070	10	0.793	-0.098	-0.038	-0.070
11	0.793	-0.110	-0.039	-0.077	11	1.519	0.532	0.309	0.070	11	0.793	-0.110	-0.039	-0.077	11	0.793	-0.110	-0.039	-0.077	11	0.793	-0.110	-0.039	-0.077
12	0.794	-0.122	-0.040	-0.084	12	1.494	0.559	0.319	0.081	12	0.794	-0.122	-0.040	-0.084	12	0.794	-0.122	-0.040	-0.084	12	0.794	-0.122	-0.040	-0.084
13	0.794	-0.135	-0.041	-0.092	13	1.470	0.584	0.326	0.092	13	0.794	-0.135	-0.041	-0.092	13	0.794	-0.135	-0.041	-0.092	13	0.794	-0.135	-0.041	-0.092
14	0.794	-0.148	-0.042	-0.099	14	1.448	0.608	0.332	0.102	14	0.794	-0.148	-0.042	-0.099	14	0.794	-0.148	-0.042	-0.099	14	0.794	-0.148	-0.042	-0.099
15	0.793	-0.161	-0.042	-0.106	15	1.425	0.632	0.338	0.114	15	0.793	-0.161	-0.042	-0.106	15	0.793	-0.161	-0.042	-0.106	15	0.793	-0.161	-0.042	-0.106
16	0.792	-0.173	-0.043	-0.114	16	1.402	0.654	0.343	0.125	16	0.792	-0.173	-0.043	-0.114	16	0.792	-0.173	-0.043	-0.114	16	0.792	-0.173	-0.043	-0.114
17	0.791	-0.186	-0.043	-0.121	17	1.379	0.676	0.349	0.137	17	0.791	-0.186	-0.043	-0.121	17	0.791	-0.186	-0.043	-0.121	17	0.791	-0.186	-0.043	-0.121
18	0.789	-0.199	-0.042	-0.128	18	1.356	0.697	0.354	0.148	18	0.789	-0.199	-0.042	-0.128	18	0.789	-0.199	-0.042	-0.128	18	0.789	-0.199	-0.042	-0.128
19	0.787	-0.213	-0.042	-0.136	19	1.334	0.716	0.359	0.158	19	0.787	-0.213	-0.042	-0.136	19	0.787	-0.213	-0.042	-0.136	19	0.787	-0.213	-0.042	-0.136
20	0.784	-0.226	-0.041	-0.143	20	1.312	0.735	0.363	0.169	20	0.784	-0.226	-0.041	-0.143	20	0.784	-0.226	-0.041	-0.143	20	0.784	-0.226	-0.041	-0.143
21	0.782	-0.239	-0.040	-0.150	21	1.290	0.753	0.367	0.179	21	0.782	-0.239	-0.040	-0.150	21	0.782	-0.239	-0.040	-0.150	21	0.782	-0.239	-0.040	-0.150
22	0.779	-0.252	-0.040	-0.157	22	1.268	0.771	0.371	0.188	22	0.779	-0.252	-0.040	-0.157	22	0.779	-0.252	-0.040	-0.157	22	0.779	-0.252	-0.040	-0.157
23	0.775	-0.265	-0.038	-0.165	23	1.246	0.788	0.374	0.198	23	0.775	-0.265	-0.038	-0.165	23	0.775	-0.265	-0.038	-0.165	23	0.775	-0.265	-0.038	-0.165
24	0.772	-0.277	-0.037	-0.172	24	1.224	0.804	0.377	0.207	24	0.772	-0.277	-0.037	-0.172	24	0.772	-0.277	-0.037	-0.172	24	0.772	-0.277	-0.037	-0.172
25	0.768	-0.290	-0.035	-0.179	25	1.203	0.820	0.379	0.217	25	0.768	-0.290	-0.035	-0.179	25	0.768	-0.290	-0.035	-0.179	25	0.768	-0.290	-0.035	-0.179
26	0.763	-0.303	-0.034	-0.186	26	1.181	0.835	0.382	0.226	26	0.763	-0.303	-0.034	-0.186	26	0.763	-0.303	-0.034	-0.186	26	0.763	-0.303	-0.034	-0.186
27	0.759	-0.316	-0.032	-0.193	27	1.160	0.850	0.384	0.235	27	0.759	-0.316	-0.032	-0.193	27	0.759	-0.316	-0.032	-0.193	27	0.759	-0.316	-0.032	-0.193
28	0.754	-0.328	-0.030	-0.200	28	1.138	0.864	0.386	0.245	28	0.754	-0.328	-0.030	-0.200	28	0.754	-0.328	-0.030	-0.200	28	0.754	-0.328	-0.030	-0.200
29	0.749	-0.341	-0.028	-0.207	29	1.117	0.878	0.387	0.253	29	0.749	-0.341	-0.028	-0.207	29	0.749	-0.341	-0.028	-0.207	29	0.749	-0.341	-0.028	-0.207
30	0.743	-0.353	-0.025	-0.213	30	1.095	0.891	0.389	0.262	30	0.743	-0.353	-0.025	-0.213	30	0.743	-0.353	-0.025	-0.213	30	0.743	-0.353	-0.025	-0.213
31	0.737	-0.366	-0.023	-0.220	31	1.074	0.903	0.391	0.271	31	0.737	-0.366	-0.023	-0.220	31	0.737	-0.366	-0.023	-0.220	31	0.737	-0.366	-0.023	-0.220
32	0.731	-0.378	-0.020	-0.227	32	1.052	0.915	0.392	0.280	32	0.731	-0.378	-0.020	-0.227	32	0.731	-0.378	-0.020	-0.227	32	0.731	-0.378	-0.020	-0.227
33	0.725	-0.390	-0.018	-0.233	33	1.031	0.927	0.393	0.288	33	0.725	-0.390	-0.018	-0.233	33	0.725	-0.390	-0.018	-0.233	33	0.725	-0.390	-0.018	-0.233
34	0.718	-0.402	-0.015	-0.239	34	1.009	0.937	0.394	0.296	34	0.718	-0.402	-0.015	-0.239	34	0.718	-0.402	-0.015	-0.239	34	0.718	-0.402	-0.015	-0.239
35	0.711	-0.413	-0.012	-0.246	35	0.988	0.948	0.395	0.304	35	0.711	-0.413	-0.012	-0.246	35	0.711	-0.413	-0.012	-0.246	35	0.711	-0.413	-0.012	-0.246
36	0.704	-0.425	-0.009	-0.252	36	0.967	0.958	0.396	0.312	36	0.704	-0.425	-0.009	-0.252	36	0.704	-0.425	-0.009	-0.252	36	0.704	-0.425	-0.009	-0.252
37	0.697	-0.436	-0.005	-0.258	37	0.945	0.967	0.397	0.320	37	0.697	-0.436	-0.005	-0.258	37	0.697	-0.436	-0.005	-0.258	37	0.697	-0.436	-0.005	-0.258
38	0.689	-0.448	-0.002	-0.264	38	0.924	0.976	0.398	0.327	38	0.689	-0.448	-0.002	-0.264	38	0.689	-0.448	-0.002	-0.264	38	0.689	-0.448	-0.002	-0.264
39	0.681	-0.459	0.001	-0.270	39	0.903	0.984	0.399	0.334	39	0.681	-0.459	0.001	-0.270	39	0.681	-0.459	0.001	-0.270	39	0.681	-0.459	0.001	-0.270
40	0.673	-0.469	0.005	-0.276	40	0.882	0.992	0.400	0.342	40	0.673	-0.469	0.005	-0.276	40	0.673	-0.469	0.005	-0.276	40	0.673	-0.469	0.005	-0.276

51.

$\alpha = 0.750$					$\beta = -0.063$					$\alpha = -0.750$					$\beta = 0.063$					
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$
41	0.665	-0.480	0.009	-0.282	41	0.860	0.999	0.400	0.348	41	0.860	0.999	0.400	0.348	41	0.860	0.999	0.400	0.348	41
42	0.656	-0.491	0.013	-0.287	42	0.839	1.006	0.401	0.355	42	0.839	1.006	0.401	0.355	42	0.839	1.006	0.401	0.355	42
43	0.647	-0.501	0.017	-0.293	43	0.819	1.012	0.402	0.362	43	0.819	1.012	0.402	0.362	43	0.819	1.012	0.402	0.362	43
44	0.638	-0.511	0.021	-0.298	44	0.798	1.018	0.402	0.368	44	0.798	1.018	0.402	0.368	44	0.798	1.018	0.402	0.368	44
45	0.629	-0.521	0.025	-0.303	45	0.777	1.023	0.402	0.374	45	0.777	1.023	0.402	0.374	45	0.777	1.023	0.402	0.374	45
46	0.620	-0.530	0.029	-0.308	46	0.756	1.028	0.403	0.380	46	0.756	1.028	0.403	0.380	46	0.756	1.028	0.403	0.380	46
47	0.610	-0.540	0.033	-0.313	47	0.736	1.032	0.403	0.386	47	0.736	1.032	0.403	0.386	47	0.736	1.032	0.403	0.386	47
48	0.600	-0.549	0.037	-0.318	48	0.716	1.036	0.403	0.391	48	0.716	1.036	0.403	0.391	48	0.716	1.036	0.403	0.391	48
49	0.591	-0.558	0.042	-0.323	49	0.695	1.040	0.404	0.397	49	0.695	1.040	0.404	0.397	49	0.695	1.040	0.404	0.397	49
50	0.580	-0.566	0.046	-0.328	50	0.675	1.043	0.404	0.402	50	0.675	1.043	0.404	0.402	50	0.675	1.043	0.404	0.402	50
51	0.570	-0.575	0.051	-0.332	51	0.655	1.046	0.404	0.407	51	0.655	1.046	0.404	0.407	51	0.655	1.046	0.404	0.407	51
52	0.560	-0.583	0.056	-0.337	52	0.635	1.048	0.404	0.411	52	0.635	1.048	0.404	0.411	52	0.635	1.048	0.404	0.411	52
53	0.549	-0.591	0.060	-0.341	53	0.616	1.050	0.404	0.416	53	0.616	1.050	0.404	0.416	53	0.616	1.050	0.404	0.416	53
54	0.538	-0.598	0.065	-0.345	54	0.596	1.051	0.404	0.420	54	0.596	1.051	0.404	0.420	54	0.596	1.051	0.404	0.420	54
55	0.527	-0.606	0.070	-0.349	55	0.577	1.052	0.404	0.424	55	0.577	1.052	0.404	0.424	55	0.577	1.052	0.404	0.424	55
56	0.516	-0.613	0.074	-0.353	56	0.558	1.053	0.404	0.428	56	0.558	1.053	0.404	0.428	56	0.558	1.053	0.404	0.428	56
57	0.505	-0.620	0.079	-0.356	57	0.539	1.053	0.404	0.432	57	0.539	1.053	0.404	0.432	57	0.539	1.053	0.404	0.432	57
58	0.494	-0.626	0.084	-0.360	58	0.520	1.053	0.404	0.435	58	0.520	1.053	0.404	0.435	58	0.520	1.053	0.404	0.435	58
59	0.483	-0.633	0.089	-0.363	59	0.501	1.052	0.404	0.439	59	0.501	1.052	0.404	0.439	59	0.501	1.052	0.404	0.439	59
60	0.471	-0.639	0.094	-0.366	60	0.483	1.051	0.404	0.442	60	0.483	1.051	0.404	0.442	60	0.483	1.051	0.404	0.442	60
61	0.460	-0.644	0.099	-0.369	61	0.464	1.050	0.404	0.445	61	0.464	1.050	0.404	0.445	61	0.464	1.050	0.404	0.445	61
62	0.448	-0.650	0.104	-0.373	62	0.446	1.049	0.404	0.448	62	0.446	1.049	0.404	0.448	62	0.446	1.049	0.404	0.448	62
63	0.436	-0.655	0.109	-0.375	63	0.429	1.047	0.404	0.450	63	0.429	1.047	0.404	0.450	63	0.429	1.047	0.404	0.450	63
64	0.424	-0.660	0.114	-0.378	64	0.411	1.045	0.404	0.452	64	0.411	1.045	0.404	0.452	64	0.411	1.045	0.404	0.452	64
65	0.413	-0.665	0.119	-0.380	65	0.393	1.042	0.403	0.455	65	0.393	1.042	0.403	0.455	65	0.393	1.042	0.403	0.455	65
66	0.401	-0.669	0.124	-0.383	66	0.376	1.039	0.403	0.457	66	0.376	1.039	0.403	0.457	66	0.376	1.039	0.403	0.457	66
67	0.389	-0.673	0.129	-0.385	67	0.359	1.036	0.403	0.458	67	0.359	1.036	0.403	0.458	67	0.359	1.036	0.403	0.458	67
68	0.377	-0.677	0.134	-0.387	68	0.342	1.033	0.403	0.460	68	0.342	1.033	0.403	0.460	68	0.342	1.033	0.403	0.460	68
69	0.365	-0.680	0.139	-0.389	69	0.326	1.029	0.403	0.461	69	0.326	1.029	0.403	0.461	69	0.326	1.029	0.403	0.461	69
70	0.353	-0.684	0.144	-0.391	70	0.310	1.025	0.402	0.463	70	0.310	1.025	0.402	0.463	70	0.310	1.025	0.402	0.463	70
71	0.341	-0.687	0.149	-0.393	71	0.293	1.021	0.402	0.464	71	0.293	1.021	0.402	0.464	71	0.293	1.021	0.402	0.464	71
72	0.329	-0.689	0.154	-0.394	72	0.277	1.016	0.402	0.465	72	0.277	1.016	0.402	0.465	72	0.277	1.016	0.402	0.465	72
73	0.317	-0.692	0.158	-0.395	73	0.262	1.011	0.401	0.465	73	0.262	1.011	0.401	0.465	73	0.262	1.011	0.401	0.465	73
74	0.305	-0.694	0.163	-0.396	74	0.246	1.006	0.401	0.466	74	0.246	1.006	0.401	0.466	74	0.246	1.006	0.401	0.466	74
75	0.293	-0.696	0.168	-0.398	75	0.231	1.001	0.401	0.466	75	0.231	1.001	0.401	0.466	75	0.231	1.001	0.401	0.466	75

$\alpha = 0.750$		$\beta = -0.063$			$\alpha = -0.750$		$\beta = 0.063$			
$\omega$	Cr	Ci	Dr	Di	Cr	Ci	Dr	Di	$\omega$	
76	0.281	-0.697	0.173	-0.399	0.216	0.995	0.400	0.467	76	
77	0.269	-0.698	0.178	-0.399	0.202	0.989	0.400	0.467	77	
78	0.257	-0.699	0.182	-0.400	0.187	0.983	0.400	0.467	78	
79	0.245	-0.700	0.187	-0.400	0.173	0.977	0.399	0.466	79	
80	0.233	-0.700	0.191	-0.401	0.159	0.970	0.399	0.466	80	
81	0.221	-0.700	0.196	-0.401	0.145	0.964	0.398	0.465	81	
82	0.210	-0.700	0.200	-0.401	0.132	0.957	0.398	0.465	82	
83	0.198	-0.700	0.205	-0.401	0.118	0.950	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	-0.400	0.080	0.927	0.395	0.460	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	0.130	-0.692	0.229	-0.398	0.044	0.903	0.393	0.456	89	
90	0.119	-0.690	0.233	-0.397	0.032	0.894	0.392	0.454	90	
91	0.108	-0.687	0.236	-0.396	0.021	0.886	0.391	0.452	91	
92	0.097	-0.684	0.240	-0.394	0.010	0.877	0.390	0.450	92	
93	0.087	-0.681	0.243	-0.393	-0.001	0.868	0.390	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	0.250	-0.390	-0.021	0.850	0.388	0.443	95	
96	0.056	-0.671	0.253	-0.389	-0.031	0.841	0.386	0.440	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	-0.060	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	0.380	0.426	101	
102	-0.002	-0.644	0.270	-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	0.420	103	
104	-0.020	-0.634	0.274	-0.371	-0.102	0.762	0.376	0.416	104	
105	-0.028	-0.628	0.276	-0.369	-0.110	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	0.280	-0.363	-0.124	0.732	0.371	0.406	107	
108	-0.053	-0.611	0.281	-0.360	-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	0.700	0.365	0.394	110	

$\alpha = 0.750$					$\beta = -0.063$					$\alpha = -0.750$					$\beta = 0.063$				
$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di	$\omega$	Cr	Ci	Dr	Di
111	-0.076	-0.591	0.286	-0.351	111	-0.150	0.689	0.363	0.390	111	-0.150	0.689	0.363	0.390	111	-0.150	0.689	0.363	0.390
112	-0.083	-0.584	0.287	-0.348	112	-0.156	0.679	0.361	0.386	112	-0.156	0.679	0.361	0.386	112	-0.156	0.679	0.361	0.386
113	-0.090	-0.578	0.288	-0.345	113	-0.162	0.668	0.359	0.382	113	-0.162	0.668	0.359	0.382	113	-0.162	0.668	0.359	0.382
114	-0.097	-0.571	0.288	-0.341	114	-0.167	0.657	0.357	0.378	114	-0.167	0.657	0.357	0.378	114	-0.167	0.657	0.357	0.378
115	-0.103	-0.563	0.289	-0.338	115	-0.172	0.646	0.355	0.374	115	-0.172	0.646	0.355	0.374	115	-0.172	0.646	0.355	0.374
116	-0.110	-0.556	0.290	-0.334	116	-0.177	0.635	0.352	0.369	116	-0.177	0.635	0.352	0.369	116	-0.177	0.635	0.352	0.369
117	-0.116	-0.549	0.290	-0.331	117	-0.182	0.624	0.350	0.365	117	-0.182	0.624	0.350	0.365	117	-0.182	0.624	0.350	0.365
118	-0.121	-0.541	0.290	-0.327	118	-0.186	0.613	0.348	0.360	118	-0.186	0.613	0.348	0.360	118	-0.186	0.613	0.348	0.360
119	-0.127	-0.533	0.290	-0.323	119	-0.190	0.602	0.345	0.356	119	-0.190	0.602	0.345	0.356	119	-0.190	0.602	0.345	0.356
120	-0.132	-0.526	0.290	-0.319	120	-0.194	0.591	0.342	0.351	120	-0.194	0.591	0.342	0.351	120	-0.194	0.591	0.342	0.351
121	-0.138	-0.518	0.290	-0.316	121	-0.198	0.581	0.340	0.347	121	-0.198	0.581	0.340	0.347	121	-0.198	0.581	0.340	0.347
122	-0.142	-0.510	0.289	-0.312	122	-0.201	0.570	0.337	0.342	122	-0.201	0.570	0.337	0.342	122	-0.201	0.570	0.337	0.342
123	-0.147	-0.502	0.289	-0.308	123	-0.204	0.559	0.334	0.337	123	-0.204	0.559	0.334	0.337	123	-0.204	0.559	0.334	0.337
124	-0.152	-0.494	0.288	-0.304	124	-0.207	0.548	0.331	0.332	124	-0.207	0.548	0.331	0.332	124	-0.207	0.548	0.331	0.332
125	-0.156	-0.485	0.287	-0.300	125	-0.210	0.537	0.328	0.328	125	-0.210	0.537	0.328	0.328	125	-0.210	0.537	0.328	0.328
126	-0.160	-0.477	0.286	-0.296	126	-0.213	0.526	0.325	0.323	126	-0.213	0.526	0.325	0.323	126	-0.213	0.526	0.325	0.323
127	-0.164	-0.469	0.285	-0.291	127	-0.215	0.515	0.322	0.318	127	-0.215	0.515	0.322	0.318	127	-0.215	0.515	0.322	0.318
128	-0.167	-0.460	0.284	-0.287	128	-0.217	0.504	0.318	0.313	128	-0.217	0.504	0.318	0.313	128	-0.217	0.504	0.318	0.313
129	-0.170	-0.452	0.283	-0.283	129	-0.219	0.493	0.315	0.308	129	-0.219	0.493	0.315	0.308	129	-0.219	0.493	0.315	0.308
130	-0.173	-0.443	0.281	-0.279	130	-0.220	0.482	0.311	0.303	130	-0.220	0.482	0.311	0.303	130	-0.220	0.482	0.311	0.303
131	-0.176	-0.435	0.279	-0.274	131	-0.222	0.471	0.308	0.297	131	-0.222	0.471	0.308	0.297	131	-0.222	0.471	0.308	0.297
132	-0.179	-0.426	0.277	-0.270	132	-0.223	0.460	0.304	0.292	132	-0.223	0.460	0.304	0.292	132	-0.223	0.460	0.304	0.292
133	-0.181	-0.417	0.275	-0.266	133	-0.224	0.450	0.300	0.287	133	-0.224	0.450	0.300	0.287	133	-0.224	0.450	0.300	0.287
134	-0.183	-0.409	0.273	-0.261	134	-0.225	0.439	0.296	0.281	134	-0.225	0.439	0.296	0.281	134	-0.225	0.439	0.296	0.281
135	-0.185	-0.400	0.270	-0.257	135	-0.225	0.428	0.292	0.276	135	-0.225	0.428	0.292	0.276	135	-0.225	0.428	0.292	0.276