$s = 2$ from the glp method in C^2										
	rmsd		ad		md		STRD		MSTRD	
n	Gen.	Value	Gen.	Value	Gen.	Value	Gen.	Value	Gen.	Value
10	(1,3)	0.1456	(1,3)	0.1331	(1,3)	0.3522	(1,3)	0.1798	(1,3)	0.1798
11	(1,7)	0.1350	(1,7)	0.1244	(1,7)	0.3200	(1,5)	0.1490	(1,7)	0.1490
12	(1,5)	0.1338	(1,5)	0.1232	(1,5)	0.2754	(1,5)	0.1393	(1,5)	0.1393
13	(1,5)	0.1242	(1,5)	0.1149	(1,4)	0.2834	(1,4)	0.1265	(1,5)	0.1302
14	(1,9)	0.1215	(1,9)	0.1113	(1,9)	0.2620	(1,9)	0.1189	(1,9)	0.1189
15	(1,11)	0.1145	(1,11)	0.1062	(1,11)	0.2497	(1,11)	0.1096	(1,11)	0.1096
16	(1,5)	0.1167	(1,5)	0.1062	(1,5)	0.2810	(1,7)	0.1037	(1,7)	0.1063
17	(1,5)	0.1082	(1,5)	0.0999	(1,5)	0.2326	(1,11)	0.1022	(1,11)	0.1037
18	(1,5)	0.1027	(1,5)	0.0950	(1,5)	0.2359	(1,7)	0.0996	(1,7)	0.0996
19	(1,14)	0.1008	(1,14)	0.0932	(1,8)	0.2304	(1,14)	0.0875	(1,14)	0.0897
20	(1,13)	0.1100	(1,13)	0.0993	(1,13)	0.2787	(1,9)	0.0770	(1,9)	0.0971
21	(1,13)	0.0950	(1,13)	0.0881	(1,13)	0.2097	(1,5)	0.0922	(1,5)	0.0922
22	(1,5)	0.0936	(1,5)	0.0864	(1,5)	0.2136	(1,13)	0.0895	(1,13)	0.0895
23	(1,9)	0.0901	(1,9)	0.0837	(1,17)	0.2114	(1,9)	0.0717	(1,9)	0.0734
24	(1,19)	0.0886	(1,19)	0.0822	(1,7)	0.1874	(1,11)	0.0693	(1,17)	0.0722
25	(1,7)	0.0869	(1,7)	0.0804	(1,7)	0.2014	(1,11)	0.0693	(1,11)	0.0693
26	(1,11)	0.0862	(1,11)	0.0797	(1,11)	0.1787	(1,11)	0.0622	(1,11)	0.0639
27	(1,16)	0.0844	(1,5)	0.0778	(1,8)	0.1951	(1,16)	0.0652	(1,16)	0.0695
28	(1,11)	0.0821	(1,5)	0.0760	(1,11)	0.1961	(1,11)	0.0650	(1,11)	0.0650
29	(1,18)	0.0799	(1,18)	0.0740	(1,18)	0.1730	(1,18)	0.0615	(1,9)	0.0628
30	(1,7)	0.0821	(1,7)	0.0758	(1,7)	0.1932	(1,19)	0.0580	(1,19)	0.0580
31	(1,12)	0.0781	(1,5)	0.0725	(1,7)	0.1689	(1,14)	0.0513	(1,14)	0.0595
32	(1,7)	0.0757	(1,7)	0.0702	(1,7)	0.1750	(1,19)	0.0617	(1,9)	0.0623
33	(1,14)	0.0751	(1,14)	0.0699	(1,14)	0.1691	(1,14)	0.0540	(1,14)	0.0554
34	(1,13)	0.0743	(1,13)	0.0691	(1,13)	0.1753	(1,15)	0.0525	(1,13)	0.0531
35	(1,29)	0.0719	(1,29)	0.0665	(1,8)	0.1631	(1,13)	0.0552	(1,13)	0.0593
36	(1,7)	0.0749	(1,7)	0.0691	(1,7)	0.1808	(1,11)	0.0559	(1,11)	0.0559
37	(1,8)	0.0703	(1,6)	0.0654	(1,23)	0.1590	(1,23)	0.0461	(1,23)	0.0463
38	(1,7)	0.0701	(1,7)	0.0650	(1,7)	0.1590	(1,27)	0.0504	(1,27)	0.0516
39	(1,7)	0.0684	(1,7)	0.0636	(1,17)	0.1547	(1,25)	0.0467	(1,25)	0.0467
40	(1,17)	0.0672	(1,17)	0.0625	(1,9)	0.1490	(1,17)	0.0461	(1,31)	0.0510
41	(1,9)	0.0667	(1,34)	0.0620	(1,9)	0.1543	(1,17)	0.0435	(1,17)	0.0435
42	(1,25)	0.0710	(1,25)	0.0650	(1,25)	0.1784	(1,19)	0.0433	(1,19)	0.0480
43	(1,25)	0.0647	(1,25)	0.0601	(1,25)	0.1487	(1,19)	0.0434	(1,19)	0.0444
44	(1,7)	0.0654	(1,27)	0.0604	(1,13)	0.1517	(1,27)	0.0418	(1,27)	0.0428
45	(1,26)	0.0629	(1,26)	0.0585	(1,19)	0.1506	(1,19)	0.0388	(1,19)	0.0395
46	(1,13)	0.0627	(1,13)	0.0583	(1,27)	0.1523	(1,13)	0.0405	(1,27)	0.0435
47	(1,18)	0.0625	(1,7)	0.0581	(1,18)	0.1417	(1,14)	0.0408	(1,14)	0.0422
48	(1,41)	0.0619	(1,41)	0.0575	(1,41)	0.1435	(1,31)	0.0364	(1,41)	0.0423
49	(1,9)	0.0616	(1,38)	0.0571	(1,9)	0.1370	(1,15)	0.0385	(1,22)	0.0385
50	(1,11)	0.0597	(1,11)	0.0555	(1,9)	0.1389	(1,23)	0.0398	(1,21)	0.0399

Table 1: The generators for s=2 from the glp method and its measure of uniformity values

$s = 3$ from the glp method in C^3										
	rmsd		ad		md		STRD		MSTRD	
n	Gen.	Value	Gen.	Value	Gen.	Value	Gen.	Value	Gen.	Value
10	(1,3,9)	0.3147	(1,3,9)	0.2874	(1,3,9)	0.7697	(1,3,7)	0.2555	(1,3,7)	0.2819
11	(1,3,5)	0.2593	(1,3,5)	0.2445	(1,2,4)	0.5206	(1,3,4)	0.2285	(1,3,4)	0.2285
12	(1,5,11)	0.3096	(1,5,11)	0.2810	(1,5,7)	0.7544	(1,5,11)	0.2228	(1,5,7)	0.2884
13	(1,4,6)	0.2426	(1,4,6)	0.2297	(1,4,11)	0.5184	(1,3,5)	0.1590	(1,4,5)	0.1754
14	(1,3,5)	0.2384	(1,3,5)	0.2245	(1,3,5)	0.5925	(1,3,5)	0.1804	(1,3,5)	0.1804
15	(1,7,13)	0.2397	(1,7,13)	0.2249	(1,2,4)	0.5103	(1,7,13)	0.1500	(1,7,13)	0.1827
16	(1,3,7)	0.2212	(1,3,7)	0.2103	(1,3,7)	0.4328	(1,5,9)	0.1408	(1,5,9)	0.1474
17	(1,4,10)	0.2203	(1,3,5)	0.2083	(1,4,10)	0.4358	(1,8,12)	0.1249	(1,4,5)	0.1508
18	(1,5,7)	0.2190	(1,5,7)	0.2069	(1,5,7)	0.4426	(1,5,7)	0.1404	(1,5,7)	0.1513
19	(1,3,12)	0.2097	(1,3,12)	0.1991	(1,3,7)	0.4175	(1,6,8)	0.1190	(1,6,8)	0.1331
20	(1,3,13)	0.2073	(1,3,13)	0.1965	(1,3,13)	0.4192	(1,3,11)	0.1374	(1,3,17)	0.1496
21	(1,4,10)	0.2121	(1,4,10)	0.1989	(1,2,16)	0.4756	(1,4,13)	0.1186	(1,4,5)	0.1458
22	(1,5,7)	0.2002	(1,5,7)	0.1897	(1,5,7)	0.4050	(1,5,7)	0.1263	(1,5,13)	0.1314
23	(1,9,20)	0.1938	(1,9,20)	0.1847	(1,9,20)	0.3856	(1,5,19)	0.1101	(1,7,18)	0.1229
24	(1,11,19)	0.1960	(1,11,19)	0.1855	(1,17,19)	0.3955	(1,11,19)	0.0895	(1,11,17)	0.1026
25	(1,8,14)	0.1885	(1,3,16)	0.1791	(1,6,9)	0.3602	(1,8,14)	0.0943	(1,6,11)	0.1081
26	(1,3,17)	0.1869	(1,3,17)	0.1770	(1,3,9)	0.3950	(1,5,7)	0.0925	(1,5,11)	0.1114
27	(1,4,17)	0.1833	(1,4,17)	0.1741	(1,4,10)	0.3966	(1,8,22)	0.0928	(1,5,19)	0.1096
28	(1,5,13)	0.1826	(1,5,13)	0.1728	(1,9,15)	0.3797	(1,5,13)	0.0921	(1,5,13)	0.1145
29	(1,16,20)	0.1774	(1,16,20)	0.1688	(1,4,18)	0.3569	(1,9,17)	0.0856	(1,9,17)	0.0862
30	(1,7,13)	0.1803	(1,7,13)	0.1710	(1,7,11)	0.3655	(1,7,13)	0.0821	(1,7,13)	0.0845
31	(1,10,17)	0.1733	(1,6,9)	0.1646	(1,10,14)	0.3331	(1,5,19)	0.0827	(1,6,22)	0.0850
32	(1,3,13)	0.1753	(1,3,13)	0.1659	(1,9,29)	0.3506	(1,7,9)	0.0877	(1,5,7)	0.0984
33	(1,4,23)	0.1705	(1,4,23)	0.1621	(1,4,23)	0.3426	(1,7,23)	0.0779	(1,8,14)	0.0934
34	(1,11,27)	0.1697	(1,11,27)	0.1608	(1,9,31)	0.3496	(1,13,25)	0.0732	(1,9,21)	0.0894
35	(1,11,19)	0.1647	(1,11,19)	0.1571	(1,11,19)	0.3107	(1,8,11)	0.0770	(1,8,22)	0.0904
36	(1,7,17)	0.1683	(1,7,17)	0.1593	(1,5,19)	0.3666	(1,5,13)	0.0781	(1,5,7)	0.0880
37	(1,7,17)	0.1625	(1,4,27)	0.1547	(1,4,13)	0.3158	(1,17,29)	0.0618	(1,7,20)	0.0814
38	(1,7,17)	0.1626	(1,7,17)	0.1542	(1,7,27)	0.3258	(1,9,25)	0.0676	(1,9,21)	0.0773
39	(1,4,14)	0.1600	(1,4,14)	0.1523	(1,4,14)	0.3222	(1,11,23)	0.0715	(1,11,23)	0.0885
40	(1,13,17)	0.1619	(1,13,17)	0.1534	(1,13,17)	0.3349	(1,7,17)	0.0664	(1,17,33)	0.0826
41	(1,8,19)	0.1564	(1,8,19)	0.1489	(1,10,28)	0.3115	(1,9,26)	0.0631	(1,9,26)	0.0675
42	(1,25,31)	0.1534	(1,25,31)	0.1462	(1,11,25)	0.3017	(1,25,31)	0.0627	(1,11,25)	0.0786
43	(1,12,35)	0.1545	(1,12,35)	0.1470	(1,8,12)	0.3065	(1,17,19)	0.0604	(1,10,18)	0.0663
44	(1,7,27)	0.1577	(1,7,27)	0.1491	(1,7,27)	0.3300	(1,25,27)	0.0680	(1,25,27)	0.0680
45	(1,4,17)	0.1518	(1,4,17)	0.1447	(1,11,29)	0.2932	(1,14,37)	0.0569	(1,28,37)	0.0721
46	(1,5,33)	0.1503	(1,5,33)	0.1432	(1,7,11)	0.3068	(1,7,17)	0.0630	(1,13,29)	0.0661
47	(1,4,18)	0.1493	(1,4,18)	0.1423	(1,7,22)	0.2962	(1,10,14)	0.0535	(1,15,18)	0.0651
48	(1,13,19)	0.1486	(1,13,19)	0.1415	(1,13,19)	0.2908	(1,13,19)	0.0566	(1,13,19)	0.0690
49	(1,6,15)	0.1464	(1,6,15)	0.1394	(1,8,13)	0.2775	(1,15,29)	0.0518	(1,15,29)	0.0602
50	(1,7,23)	0.1463	(1,7,23)	0.1392	(1,7,27)	0.3033	(1,7,11)	0.0528	(1,11,21)	0.0619

Table 4: The generators for s=3 from the glp method and its measure of uniformity values

$s = 4$ from the glp method in C^4						
	rmsd		ad		md	
n	Gen.	Value	Gen.	Value	Gen.	Value
10	(1,3,7,9)	0.4400	(1,3,7,9)	0.4142	(1,3,7,9)	0.8936
11	(1,2,5,7)	0.3710	(1,2,5,7)	0.3561	(1,2,5,7)	0.6965
12	(1,5,7,11)	0.4362	(1,5,7,11)	0.4094	(1,5,7,11)	0.8895
13	(1,4,5,11)	0.3521	(1,4,5,11)	0.3383	(1,4,5,11)	0.6553
14	(1,3,5,9)	0.3831	(1,3,5,9)	0.3616	(1,3,5,9)	0.7920
15	(1,2,4,7)	0.3334	(1,2,4,7)	0.3211	(1,2,4,8)	0.5946
16	(1,3,5,9)	0.3320	(1,3,5,9)	0.3193	(1,3,5,7)	0.6640
17	(1,2,8,13)	0.3252	(1,2,8,13)	0.3127	(1,2,8,13)	0.5964
18	(1,5,7,13)	0.3719	(1,5,7,13)	0.3491	(1,7,13,17)	0.7807
19	(1,3,5,9)	0.3162	(1,3,5,9)	0.3040	(1,3,5,9)	0.5817
20	(1,3,7,11)	0.3180	(1,3,7,11)	0.3046	(1,3,7,11)	0.6518
21	(1,2,5,10)	0.3100	(1,2,5,10)	0.2975	(1,2,5,13)	0.5804
22	(1,3,7,13)	0.3063	(1,3,7,13)	0.2942	(1,5,7,13)	0.6339
23	(1,3,7,11)	0.3013	(1,2,10,18)	0.2892	(1,2,11,17)	0.5619
24	(1,5,7,13)	0.3069	(1,5,7,13)	0.2940	(1,5,13,17)	0.6251
25	(1,4,9,19)	0.2923	(1,4,9,19)	0.2814	(1,4,11,19)	0.5615
26	(1,3,5,15)	0.2912	(1,3,5,15)	0.2799	(1,5,7,15)	0.6124
27	(1,5,17,19)	0.2899	(1,4,17,19)	0.2781	(1,2,7,16)	0.5467
28	(1,5,23,25)	0.2818	(1,5,23,25)	0.2718	(1,3,5,9)	0.5795
29	(1,4,6,13)	0.2793	(1,4,6,13)	0.2690	(1,4,7,16)	0.5225
30	(1,7,11,13)	0.2786	(1,7,11,13)	0.2685	(1,7,11,13)	0.5148
31	(1,6,10,13)	0.2744	(1,6,10,13)	0.2641	(1,5,19,22)	0.5141
32	(1,7,15,19)	0.2725	(1,3,15,25)	0.2622	(1,5,7,9)	0.5716
33	(1,5,13,31)	0.2745	(1,5,13,31)	0.2637	(1,4,23,31)	0.5305
34	(1,9,13,15)	0.2695	(1,9,13,15)	0.2592	(1,9,13,15)	0.5226
35	(1,4,19,26)	0.2663	(1,4,19,26)	0.2561	(1,4,9,24)	0.5150
36	(1,5,11.13)	0.2677	(1,5,11.13)	0.2574	(1,5,13,29)	0.4861
37	(1,3,16,30)	0.2597	(1,3,16,30)	0.2503	(1,3,7,16)	0.4705
38	(1,9,21,35)	0.2624	(1,3,7,25)	0.2525	(1,5,7,29)	0.4916
39	(1,14,22,29)	0.2608	(1, 14,22,29)	0.2500	(1, 2,7,28)	0.5150
40	(1,3,7,19)	0.2549	(1,3,7,19)	0.2458	(1,3,13,33)	0.4891
41	(1 ,5,13,16)	0.2528	(1,8,19,36)	0.2440	(1,5,22,33)	0.4623
42	(1,5,19,31)	0.2538	(1,5,19,31)	0.2444	(1,5,11,23)	0.4869
43	(1,7,19,40)	0.2492	(1,7,19,40)	0.2400	(1,6,13,16)	0.2517
44	(1,3,25,37)	0.2499	(1,3,25,37)	0.2405	(1,3,13,25)	0.4627
45	(1,7,17, 32)	0.2498	(1,4,7,29)	0.2399	(1,8,26,31)	0.4717
46	(1,11,17,43)	0.2471	(1,11,17,43)	0.2378	(1,3,7,19)	0.4543
47	(1,10,15,44)	0.2432	(1,10,15,44)	0.2343	(1,4,10,25)	0.4455
48	(1, 5,11,23)	0.2457	(1, 5,11,23)	0.2364	(1,5,11,35)	0.4571
49	(1,12,29,46)	0.2409	(1,12,29,46)	0.2321	(1,3,10,31)	0.4509
50	(1, 3,19,43)	0.2396	(1, 3,19,43)	0.2308	(1, 3,13,21)	0.4487

Table 7: The generators for s=4 from the glp method and its measure of uniformity values