MATHEMATICS OF COMPUTATION
Volume 69, Number 231, Pages 1317–1318
S 0025-5718(00)01162-5

TABLE ERRATA

635.—*n-clusters for* $1 < n < 7$, by Landon Curt Noll and David I. Bell, Math. Comp. **53** (1989), 439–444

All 546 points of the 91 six-clusters given in Table 2 are correct. However seventeen[1] of the six-clusters are mislocated because the minimum distance, given by the first two points, is incorrect. A smaller minimum distance actually occurs elsewhere between other points within the six-cluster. By reordering the points using the same scheme, and using the conjugate six-cluster to avoid having many cluster points located in the third quadrant, the new table given below was created. The original Table 2 gives by count the points in quadrants 1, 2, 3 & 4 as 244, 166, 86 and 100; the new table: 356, 79, 8, & 103. The largest extent is 20748 as cluster #85 (not including new cluster #92).

The following table was sorted by minimum distance between the first two given points, then by increasing distance from the origin $(0,0)$ for the other 4 points. In case of identical distances, the third or fourth quadrant values for a point were chosen to appear first. While checking Table 2, a new cluster #92 was discovered. This table is suggested as a replacement for Table 2.

TABLE 2. Nonequivalent prime 6-clusters of extent < 20749

Old	Minimum		Prime Six Cluster					
Clst.	Dist.	Extent	Pt. 1	Pt. 2	Pt. 3	Pt. 4	Pt.5	Pt. 6
1	401	8112	(0,0)	(399,40)	(1521,3120)	(–3276,3120)	(999,–4440)	(9009,6240)
2	477	1850	(0,0)	(405,252)	(–960,720)	(570,1760)	(1536,1760)	(0,3520)
3	610	1275	(0,0)	(448,414)	(720,–132)	(0,828)	(1260,1023)	(1840,414)
4	638	1938	(0,0)	(462,440)	(–969,1480)	(969,1480)	(–462,2520)	(0,2960)
5	800	10370	(0,0)	(640,480)	(1445,2244)	(3060,–1632)	(–3430,–1176)	(4930,–11832)
6	833	2074	(0,0)	(735,392)	(870,–616)	(–420,1008)	(315,1400)	(–555,2016)
7	861	2703	(0,0)	(840,189)	(588,1309)	(1680,1764)	(–432,2574)	(–2940,2205)
8	877	5291	(0,0)	(805,348)	(1820,0)	(910,2184)	(2450,840)	(–4095,3900)
9	960	2704	(0,0)	(768,576)	(–252,1120)	(255,2160)	(–1344,2160)	(–3840,1120)
81	1038	20461	(0,0)	(990,312)	(2635,7956)	(5120,–9600)	(12760,8736)	(–16720,14592)
10	1047	8450	(0,0)	(897,540)	(1920,1904)	(–3360,1400)	(0,3920)	(–7650,8680)
11	1204	4287	(0,0)	(1204,0)	(775,2340)	(1820,–2112)	(91,–4140)	(3591,–2940)
12	1326	3965	(0,0)	(1170,624)	(2695,–924)	(4180,0)	(3410,–2976)	(3410,2976)
13	1360	4186	(0,0)	(1088,816)	(–1449,0)	(–855,2640)	(2295,–1560)	(2698,4680)
14	1360	4186	(0,0)	(1088,816)	(–855,2640)	(2295,–1560)	(1015,3480)	(2698,4680)
54	1365	20648	(0,0)	(1365,0)	(3360,–3528)	(–2496,–7920)	(4686,–14760)	(23040,2720)
15	1387	5950	(0,0)	(1045,912)	(4095,–2184)	(5390,2520)	(2340,5616)	(6435,3432)
16	1387	6084	(0,0)	(1045,912)	(585,–4368)	(4095,–2184)	(5005,–4368)	(6435,3432)
17	1392	4439	(0,0)	(1008,960)	(333,–2040)	(–1287,2184)	(–2736,2052)	(3193,4824)
18	1449	5402	(0,0)	(1449,0)	(1287,–2184)	(3744,–1560)	(2464,3480)	(4147,4680)
19	1449	5402	(0,0)	(1449,0)	(855,2640)	(2304,2640)	(–2698,4680)	(5002,–2040)
65	1476	17985	(0,0)	(1440,324)	(4200,–2574)	(5180,4251)	(–7140,2601)	(15080,19266)
20	1586	18067	(0,0)	(1330,864)	(–4725,2940)	(–7497,300)	(–1683,9180)	(15250,15480)
21	1586	4263	(0,0)	(1560,286)	(2232,2015)	(1560,3744)	(4080,2176)	(–1380,6831)
83	1680	15370	(0,0)	(1344,1008)	(3060,–1904)	(10353,3296)	(9594,12008)	(–1932,22176)
22	1717	10115	(0,0)	(1645,492)	(5805,3612)	(6650,–1848)	(5805,–7308)	(–5635,–8400)
23	1776	3904	(0,0)	(1680,576)	(–600,2970)	(1680,–3328)	(3960,–89)	(3960,2970)
24	1855	4056	(0,0)	(1848,161)	(1224,2618)	(4224,1368)	(3408,3905)	(4224,–3007)

[1]Clusters #: 81, 54, 65, 83, 52, 82, 85, 91, 63, 79, 88, 76, 74, 90, 86, 87, and 89 (in order of appearance)

TABLE 2. Nonequivalent prime 6-clusters of extent < 20749 (continued)[2]

Old Clst.	Minimum Dist.	Extent	Pt. 1	Pt. 2	Pt. 3	Prime Six Cluster Pt. 4	Pt.5	Pt. 6
25	1855	4056	(0,0)	(1848,161)	(1224,2618)	(4080,2176)	(3408,3905)	(4224,–3007)
26	2013	10100	(0,0)	(1980,363)	(–3060,3213)	(–2360,5664)	(5780,3213)	(1980,14784)
27	2184	9000	(0,0)	(2016,840)	(0,4080)	(7200,–1320)	(3325,7980)	(–1350,10080)
28	2184	14600	(0,0)	(2016,840)	(–720,–4290)	(3096,6622)	(2016,–7938)	(15276,8507)
29	2244	13860	(0,0)	(2244,0)	(4389,–5148)	(654,11872)	(11214,3952)	(–8316,–11088)
30	2244	11890	(0,0)	(2244,0)	(4389,–5148)	(654,11872)	(11214,–3952)	(11214,3952)
31	2257	4930	(0,0)	(2220,407)	(4872,–754)	(4872,2871)	(7524,407)	(8700,–3625)
32	2385	7728	(0,0)	(2223,864)	(3503,5904)	(2223,–6864)	(5967,4056)	(8750,–3000)
33	2492	9009	(0,0)	(2240,1092)	(8316,–3465)	(4816,–7740)	(7280,–8892)	(11440,1092)
34	2553	9360	(0,0)	(2415,828)	(–1500,3600)	(3570,3600)	(7140,0)	(12690,7400)
35	2665	12524	(0,0)	(2028,1729)	(–3432,5824)	(3432,5824)	(0,10400)	(15708,3344)
36	2686	11050	(0,0)	(2370,1264)	(4992,–1456)	(–4875,6500)	(2730,9360)	(1065,12580)
37	2772	13398	(0,0)	(2772,0)	(1386,–7560)	(9702,–9240)	(12672,–5280)	(18447,–4940)
52	2774	18067	(0,0)	(2090,1824)	(–2772,2640)	(6055,2076)	(3042,–6240)	(19975,–12540)
38	2856	12069	(0,0)	(2856,0)	(1428,–5104)	(1428,–8029)	(5376,–8640)	(–9912,–12160)
39	2875	14350	(0,0)	(2760,805)	(2760,–7695)	(13680,1615)	(18096,–3445)	(15960,12325)
40	2900	11726	(0,0)	(2100,2000)	(–2541,4312)	(–5775,0)	(9009,2288)	(–13125,7000)
41	2900	9700	(0,0)	(2100,2000)	(3432,–576)	(–1860,4464)	(7800,3584)	(9360,12879)
42	2929	16796	(0,0)	(2479,1560)	(0,3120)	(–9295,1560)	(–10400,10920)	(7904,17940)
43	2960	6840	(0,0)	(2448,1664)	(3360,–3770)	(6324,–1243)	(7920,2310)	(10428,–6715)
44	3016	5795	(0,0)	(2184,2080)	(5187,2584)	(1254,6840)	(5187,6084)	(10374,0)
45	3016	6954	(0,0)	(2184,2080)	(5187,2584)	(1254,6840)	(5187,6084)	(–2106,9360)
46	3016	7995	(0,0)	(2184,2080)	(5187,2584)	(5187,6084)	(–2106,9360)	(10374,0)
47	3116	15041	(0,0)	(3040,684)	(0,–3705)	(8892,–3705)	(8008,11310)	(14040,–12441)
48	3255	18830	(0,0)	(2604,1953)	(–2604,13547)	(2604,13547)	(12276,–6293)	(7056,–17458)
82	3380	15370	(0,0)	(2912,1716)	(5200,–7293)	(13912,–6534)	(24080,4992)	(19760,–20748)
49	3498	11713	(0,0)	(2970,1848)	(–2065,4956)	(–7105,–9312)	(3775,11088)	(11615,–1512)
50	3498	19800	(0,0)	(2970,1848)	(0,8976)	(2970,–13200)	(10075,11160)	(–15840,11880)
85	3636	20748	(0,0)	(3564,720)	(6580,–4935)	(1848,10080)	(16500,2115)	(–18900,10080)
51	3731	12804	(0,0)	(3045,2156)	(5850,–2200)	(3045,–5940)	(15015,–884)	(11625,11660)
53	4025	10181	(0,0)	(3220,2415)	(1380,6831)	(7840,2856)	(–3380,8463)	(7840,14700)
91	4030	18753	(0,0)	(3224,2418)	(7480,3738)	(7480,–15015)	(–10296,–17472)	(20332,–23751)
63	4088	20026	(0,0)	(3080,2688)	(5148,6864)	(–5852,6864)	(–6344,11895)	(3080,29565)
55	4200	12383	(0,0)	(3360,2520)	(5145,–1764)	(–1638,7280)	(–6240,5320)	(5145,17640)
56	4223	9380	(0,0)	(4120,927)	(1060,5568)	(–3640,8736)	(0,11136)	(10440,5568)
79	4545	15080	(0,0)	(3393,3024)	(0,6048)	(12768,8024)	(18018,3024)	(20160,21168)
57	4550	14133	(0,0)	(4410,1120)	(–2040,4896)	(2370,6016)	(10455,–5576)	(–8085,11592)
58	4640	12749	(0,0)	(3360,3200)	(7980,–1651)	(–9180,5499)	(7980,9360)	(12600,3200)
88	4695	15785	(0,0)	(3969,2508)	(15750,0)	(15750,–13200)	(27531,2508)	(30149,–6468)
59	4725	14151	(0,0)	(3780,2835)	(7524,–4845)	(–3276,9555)	(–10296,4290)	(9464,13923)
60	4800	16800	(0,0)	(3840,2880)	(–2145,4400)	(–3420,15200)	(8670,13464)	(17280,–7200)
61	4862	10370	(0,0)	(3762,3080)	(3087,8120)	(9537,0)	(10212,–5040)	(13299,3080)
62	4875	12285	(0,0)	(4845,540)	(10032,–1476)	(7344,9108)	(13959,–8140)	(16269,9108)
76	5005	19635	(0,0)	(5005,0)	(5005,12012)	(17325,9240)	(15470,15600)	(27965,8364)
64	5252	15105	(0,0)	(4352,2940)	(12920,–2109)	(7448,11970)	(12920,13566)	(–4180,20691)
74	5454	19227	(0,0)	(5346,1080)	(16896,6480)	(9735,–16520)	(14523,–12600)	(33696,–14040)
66	5460	13725	(0,0)	(5292,1344)	(2052,9120)	(8892,–3705)	(–4788,10659)	(10032,13376)
67	5577	11978	(0,0)	(5148,2145)	(1196,–6825)	(9100,–6825)	(14300,–1365)	(17020,3735)
68	5577	15312	(0,0)	(5148,2145)	(9100,–6825)	(–5940,12705)	(14300,–1365)	(17020,3735)
90	5661	20247	(0,0)	(4140,3861)	(18060,–6579)	(18060,9153)	(32844,5083)	(36540,13311)
69	5746	14450	(0,0)	(5304,2210)	(5304,9945)	(10920,–6435)	(–6120,13090)	(14280,2210)
70	5746	14450	(0,0)	(5304,2210)	(3120,12285)	(10920,–6435)	(–6120,13090)	(14280,2210)
71	5848	8584	(0,0)	(5160,2752)	(–2640,6336)	(2820,8611)	(9120,–4864)	(10080,7918)
72	5917	13908	(0,0)	(5035,3108)	(–5040,5292)	(8640,7800)	(0,12012)	(18720,7800)
73	6032	16900	(0,0)	(5568,2320)	(–11172,0)	(10353,13804)	(3108,19040)	(15708,–11200)
86	6102	18648	(0,0)	(6048,810)	(13572,5655)	(6048,17640)	(–2752,21930)	(16848,15210)
75	6385	13780	(0,0)	(6384,113)	(0,12325)	(–13776,11993)	(6384,17113)	(13776,11993)
87	6439	18785	(0,0)	(4935,4136)	(–1344,12508)	(8127,16936)	(–10080,21560)	(26880,15840)
77	6929	17425	(0,0)	(5655,4004)	(12480,13104)	(16320,–9776)	(7020,18304)	(20670,11024)
78	7021	18221	(0,0)	(6195,3304)	(0,–8968)	(6195,12272)	(20160,–8400)	(23010,3304)
80	7400	19859	(0,0)	(5920,4440)	(–2200,10890)	(–14800,7215)	(17316,7215)	(–5980,18975)
89	7956	19345	(0,0)	(7020,3744)	(–9150,9288)	(5655,18500)	(–13440,21600)	(–6840,30400)
84	8619	19669	(0,0)	(7956,3315)	(2720,10710)	(1156,19635)	(–9180,19635)	(12100,32175)
92	8619	23425	(0,0)	(7956,3315)	(2720,10710)	(–9180,19635)	(–6460,30345)	(12100,32175)

[2]not including the new cluster #92 with extent 23, 425.

RANDALL L. RATHBUN
250 Knoll Road #62
San Marcos, California 92069-1580