Rank-65666 over GF(16)

January 15, 2021

The equation

The equation of the surface is :

$$X_0^3 + X_1^3 + X_2^3 + X_3^3 + X_0^2X_1 + X_0^2X_2 + X_0^2X_3 + X_0X_1X_2 = 0$$

(1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0)
The point rank of the equation over GF(16) is 304226854

General information

Number of lines	0
Number of points	225
Number of singular points	0
Number of Eckardt points	0
Number of double points	0
Number of single points	0
Number of points off lines	225
Number of Hesse planes	0
Number of axes	0
Type of points on lines	
Type of lines on points	0^{225}

Singular Points

The surface has 0 singular points:

The 0 Lines

The lines and their Pluecker coordinates are:
Rank of lines: ( )
Rank of points on Klein quadric: ( )

Eckardt Points

The surface has 0 Eckardt points:

Double Points

The surface has 0 Double points:
The double points on the surface are:

Single Points

The surface has 0 single points:
The single points on the surface are:

The single points on the surface are:

Points on surface but on no line

The surface has 225 points not on any line:
The points on the surface but not on lines are:

$0: P_4 = (1,1,1,1)$
$1: P_{35} = (0,1,1,0)$
$2: P_{36} = (1,1,1,0)$
$3: P_{62} = (11,2,1,0)$
$4: P_{93} = (10,4,1,0)$
$5: P_{129} = (14,6,1,0)$
$6: P_{135} = (4,7,1,0)$
$7: P_{174} = (11,9,1,0)$
$8: P_{179} = (0,10,1,0)$
$9: P_{180} = (1,10,1,0)$
$10: P_{189} = (10,10,1,0)$
$11: P_{195} = (0,11,1,0)$
$12: P_{196} = (1,11,1,0)$
$13: P_{206} = (11,11,1,0)$
$14: P_{220} = (9,12,1,0)$
$15: P_{229} = (2,13,1,0)$
$16: P_{253} = (10,14,1,0)$
$17: P_{290} = (0,1,0,1)$
$18: P_{318} = (12,2,0,1)$
$19: P_{329} = (7,3,0,1)$
$20: P_{332} = (10,3,0,1)$
$21: P_{337} = (15,3,0,1)$
$22: P_{344} = (6,4,0,1)$
$23: P_{357} = (3,5,0,1)$
$24: P_{365} = (11,5,0,1)$
$25: P_{366} = (12,5,0,1)$
$26: P_{383} = (13,6,0,1)$
$27: P_{398} = (12,7,0,1)$
$28: P_{407} = (5,8,0,1)$
$29: P_{408} = (6,8,0,1)$
$30: P_{412} = (10,8,0,1)$
$31: P_{431} = (13,9,0,1)$
$32: P_{434} = (0,10,0,1)$
$33: P_{445} = (11,10,0,1)$
$34: P_{450} = (0,11,0,1)$
$35: P_{460} = (10,11,0,1)$
$36: P_{472} = (6,12,0,1)$
$37: P_{489} = (7,13,0,1)$
$38: P_{505} = (7,14,0,1)$
$39: P_{522} = (8,15,0,1)$
$40: P_{525} = (11,15,0,1)$
$41: P_{527} = (13,15,0,1)$
$42: P_{530} = (0,0,1,1)$
$43: P_{590} = (13,3,1,1)$
$44: P_{616} = (7,5,1,1)$
$45: P_{627} = (2,6,1,1)$
$46: P_{650} = (9,7,1,1)$
$47: P_{669} = (12,8,1,1)$
$48: P_{690} = (1,10,1,1)$
$49: P_{692} = (3,10,1,1)$
$50: P_{697} = (8,10,1,1)$
$51: P_{706} = (1,11,1,1)$
$52: P_{710} = (5,11,1,1)$
$53: P_{720} = (15,11,1,1)$

$54: P_{735} = (14, 12, 1, 1)$
$55: P_{741} = (4, 13, 1, 1)$
$56: P_{775} = (6, 15, 1, 1)$
$57: P_{797} = (12, 0, 2, 1)$
$58: P_{825} = (8, 2, 2, 1)$
$59: P_{863} = (14, 4, 2, 1)$
$60: P_{873} = (8, 5, 2, 1)$
$61: P_{896} = (15, 6, 2, 1)$
$62: P_{905} = (8, 7, 2, 1)$
$63: P_{998} = (5, 13, 2, 1)$
$64: P_{1000} = (7, 13, 2, 1)$
$65: P_{1005} = (12, 13, 2, 1)$
$66: P_{1018} = (9, 14, 2, 1)$
$67: P_{1048} = (7, 0, 3, 1)$
$68: P_{1051} = (10, 0, 3, 1)$
$69: P_{1056} = (15, 0, 3, 1)$
$70: P_{1070} = (13, 1, 3, 1)$
$71: P_{1096} = (7, 3, 3, 1)$
$72: P_{1163} = (10, 7, 3, 1)$
$73: P_{1216} = (15, 10, 3, 1)$
$74: P_{1219} = (2, 11, 3, 1)$
$75: P_{1226} = (9, 11, 3, 1)$
$76: P_{1270} = (5, 14, 3, 1)$
$77: P_{1303} = (6, 0, 4, 1)$
$78: P_{1343} = (14, 2, 4, 1)$
$79: P_{1376} = (15, 4, 4, 1)$
$80: P_{1415} = (6, 7, 4, 1)$
$81: P_{1417} = (8, 7, 4, 1)$
$82: P_{1421} = (12, 7, 4, 1)$
$83: P_{1440} = (15, 8, 4, 1)$
$84: P_{1443} = (2, 9, 4, 1)$
$85: P_{1504} = (15, 12, 4, 1)$
$86: P_{1508} = (3, 13, 4, 1)$
$87: P_{1556} = (3, 0, 5, 1)$
$88: P_{1564} = (11, 0, 5, 1)$
$89: P_{1565} = (12, 0, 5, 1)$
$90: P_{1576} = (7, 1, 5, 1)$
$91: P_{1593} = (8, 2, 5, 1)$
$92: P_{1645} = (12, 5, 5, 1)$
$93: P_{1717} = (4, 10, 5, 1)$
$94: P_{1727} = (14, 10, 5, 1)$
$95: P_{1732} = (3, 11, 5, 1)$
$96: P_{1756} = (11, 12, 5, 1)$
$97: P_{1822} = (13, 0, 6, 1)$
$98: P_{1827} = (2, 1, 6, 1)$
$99: P_{1856} = (15, 2, 6, 1)$
$100: P_{1924} = (3, 7, 6, 1)$
$101: P_{1929} = (8, 7, 6, 1)$
$102: P_{1932} = (11, 7, 6, 1)$
$103: P_{1947} = (10, 8, 6, 1)$
$104: P_{1956} = (3, 9, 6, 1)$
$105: P_{1986} = (1, 11, 6, 1)$
$106: P_{2010} = (9, 12, 6, 1)$
$107: P_{2031} = (14, 13, 6, 1)$
$108: P_{2036} = (3, 14, 6, 1)$
$109: P_{2040} = (7, 14, 6, 1)$
$110: P_{2046} = (13, 14, 6, 1)$
$111: P_{2077} = (12, 0, 7, 1)$
$112: P_{2090} = (9, 1, 7, 1)$
$113: P_{2105} = (8, 2, 7, 1)$
$114: P_{2123} = (10, 3, 7, 1)$
$115: P_{2135} = (6, 4, 7, 1)$
$116: P_{2137} = (8, 4, 7, 1)$
$117: P_{2141} = (12, 4, 7, 1)$
$118: P_{2164} = (3, 6, 7, 1)$
$119: P_{2169} = (8, 6, 7, 1)$
$120: P_{2172} = (11, 6, 7, 1)$
$121: P_{2214} = (5, 9, 7, 1)$
$122: P_{2242} = (1, 11, 7, 1)$
$123: P_{2261} = (4, 12, 7, 1)$
$124: P_{2275} = (2, 13, 7, 1)$
$125: P_{2326} = (5, 0, 8, 1)$
$126: P_{2327} = (6, 0, 8, 1)$
$127: P_{2331} = (10, 0, 8, 1)$
$128: P_{2349} = (12, 1, 8, 1)$
$129: P_{2400} = (15, 4, 8, 1)$
$130: P_{2427} = (10, 6, 8, 1)$
$131: P_{2455} = (6, 8, 8, 1)$
$132: P_{2486} = (5, 10, 8, 1)$
$133: P_{2499} = (2, 11, 8, 1)$
$134: P_{2506} = (9, 11, 8, 1)$
$135: P_{2590} = (13, 0, 9, 1)$
$136: P_{2643} = (2, 4, 9, 1)$
$137: P_{2676} = (3, 6, 9, 1)$
$138: P_{2694} = (5, 7, 9, 1)$
$139: P_{2724} = (3, 9, 9, 1)$
$140: P_{2775} = (6, 12, 9, 1)$
$141: P_{2782} = (13, 12, 9, 1)$
$142: P_{2784} = (15, 12, 9, 1)$
$143: P_{2805} = (4, 14, 9, 1)$
$144: P_{2820} = (3, 15, 9, 1)$
$145: P_{2833} = (0, 0, 10, 1)$
$146: P_{2844} = (11, 0, 10, 1)$
$147: P_{2850} = (1, 1, 10, 1)$
$148: P_{2852} = (3, 1, 10, 1)$
$149: P_{2857} = (8, 1, 10, 1)$
$150: P_{2896} = (15, 3, 10, 1)$
$151: P_{2917} = (4, 5, 10, 1)$
$152: P_{2927} = (14, 5, 10, 1)$
$153: P_{2966} = (5, 8, 10, 1)$
$154: P_{2997} = (4, 10, 10, 1)$
$155: P_{3004} = (11, 10, 10, 1)$
$156: P_{3007} = (14, 10, 10, 1)$
$157: P_{3026} = (1, 12, 10, 1)$
$158: P_{3042} = (1, 13, 10, 1)$
$159: P_{3077} = (4, 15, 10, 1)$
$160: P_{3087} = (14, 15, 10, 1)$
$161: P_{3089} = (0, 0, 11, 1)$

$162: P_{3099} = (10, 0, 11, 1)$
$163: P_{3106} = (1, 1, 11, 1)$
$164: P_{3110} = (5, 1, 11, 1)$
$165: P_{3120} = (15, 1, 11, 1)$
$166: P_{3139} = (2, 3, 11, 1)$
$167: P_{3146} = (9, 3, 11, 1)$
$168: P_{3172} = (3, 5, 11, 1)$
$169: P_{3186} = (1, 6, 11, 1)$
$170: P_{3202} = (1, 7, 11, 1)$
$171: P_{3219} = (2, 8, 11, 1)$
$172: P_{3226} = (9, 8, 11, 1)$
$173: P_{3267} = (2, 11, 11, 1)$
$174: P_{3274} = (9, 11, 11, 1)$
$175: P_{3275} = (10, 11, 11, 1)$
$176: P_{3337} = (8, 15, 11, 1)$
$177: P_{3351} = (6, 0, 12, 1)$
$178: P_{3375} = (14, 1, 12, 1)$
$179: P_{3424} = (15, 4, 12, 1)$
$180: P_{3436} = (11, 5, 12, 1)$
$181: P_{3450} = (9, 6, 12, 1)$
$182: P_{3461} = (4, 7, 12, 1)$
$183: P_{3495} = (6, 9, 12, 1)$
$184: P_{3502} = (13, 9, 12, 1)$
$185: P_{3504} = (15, 9, 12, 1)$
$186: P_{3506} = (1, 10, 12, 1)$
$187: P_{3558} = (5, 13, 12, 1)$
$188: P_{3563} = (10, 13, 12, 1)$
$189: P_{3568} = (15, 13, 12, 1)$
$190: P_{3577} = (8, 14, 12, 1)$
$191: P_{3608} = (7, 0, 13, 1)$
$192: P_{3621} = (4, 1, 13, 1)$
$193: P_{3638} = (5, 2, 13, 1)$
$194: P_{3640} = (7, 2, 13, 1)$
$195: P_{3645} = (12, 2, 13, 1)$
$196: P_{3668} = (3, 4, 13, 1)$
$197: P_{3711} = (14, 6, 13, 1)$
$198: P_{3715} = (2, 7, 13, 1)$
$199: P_{3762} = (1, 10, 13, 1)$
$200: P_{3798} = (5, 12, 13, 1)$
$201: P_{3803} = (10, 12, 13, 1)$
$202: P_{3808} = (15, 12, 13, 1)$
$203: P_{3830} = (5, 14, 13, 1)$
$204: P_{3852} = (11, 15, 13, 1)$
$205: P_{3864} = (7, 0, 14, 1)$
$206: P_{3898} = (9, 2, 14, 1)$
$207: P_{3910} = (5, 3, 14, 1)$
$208: P_{3956} = (3, 6, 14, 1)$
$209: P_{3960} = (7, 6, 14, 1)$
$210: P_{3966} = (13, 6, 14, 1)$
$211: P_{4005} = (4, 9, 14, 1)$
$212: P_{4057} = (8, 12, 14, 1)$
$213: P_{4070} = (5, 13, 14, 1)$
$214: P_{4086} = (5, 14, 14, 1)$
$215: P_{4121} = (8, 0, 15, 1)$
$216: P_{4124} = (11, 0, 15, 1)$
$217: P_{4126} = (13, 0, 15, 1)$
$218: P_{4135} = (6, 1, 15, 1)$
$219: P_{4260} = (3, 9, 15, 1)$
$220: P_{4277} = (4, 10, 15, 1)$
$221: P_{4287} = (14, 10, 15, 1)$
$222: P_{4297} = (8, 11, 15, 1)$
$223: P_{4332} = (11, 13, 15, 1)$
$224: P_{4366} = (13, 15, 15, 1)$

Line Intersection Graph

Neighbor sets in the line intersection graph:
The surface has 225 points:
The points on the surface are:

$0: P_4 = (1, 1, 1, 1)$
$1: P_{35} = (0, 1, 1, 0)$
$2: P_{36} = (1, 1, 1, 0)$
$3: P_{62} = (11, 2, 1, 0)$
$4: P_{93} = (10, 4, 1, 0)$
$5: P_{129} = (14, 6, 1, 0)$
$6: P_{135} = (4, 7, 1, 0)$
$7: P_{174} = (11, 9, 1, 0)$
$8: P_{179} = (0, 10, 1, 0)$
$9: P_{180} = (1, 10, 1, 0)$
$10: P_{189} = (10, 10, 1, 0)$
$11: P_{195} = (0, 11, 1, 0)$
$12: P_{196} = (1, 11, 1, 0)$
$13: P_{206} = (11, 11, 1, 0)$
$14: P_{220} = (9, 12, 1, 0)$
$15: P_{229} = (2, 13, 1, 0)$
$16: P_{253} = (10, 14, 1, 0)$
$17: P_{290} = (0, 1, 0, 1)$
$18: P_{318} = (12, 2, 0, 1)$
$19: P_{329} = (7, 3, 0, 1)$
$20: P_{332} = (10, 3, 0, 1)$
$21: P_{337} = (15, 3, 0, 1)$
$22: P_{344} = (6, 4, 0, 1)$
$23: P_{357} = (3, 5, 0, 1)$
$24: P_{365} = (11, 5, 0, 1)$
$25: P_{366} = (12, 5, 0, 1)$
$26: P_{383} = (13, 6, 0, 1)$
$27: P_{398} = (12, 7, 0, 1)$
$28: P_{407} = (5, 8, 0, 1)$
$29: P_{408} = (6, 8, 0, 1)$
$30: P_{412} = (10, 8, 0, 1)$
$31: P_{431} = (13, 9, 0, 1)$
$32: P_{434} = (0, 10, 0, 1)$
$33: P_{445} = (11, 10, 0, 1)$
$34: P_{450} = (0, 11, 0, 1)$
$35: P_{460} = (10, 11, 0, 1)$

36 : $P_{472} = (6, 12, 0, 1)$
37 : $P_{489} = (7, 13, 0, 1)$
38 : $P_{505} = (7, 14, 0, 1)$
39 : $P_{522} = (8, 15, 0, 1)$
40 : $P_{525} = (11, 15, 0, 1)$
41 : $P_{527} = (13, 15, 0, 1)$
42 : $P_{530} = (0, 0, 1, 1)$
43 : $P_{590} = (13, 3, 1, 1)$
44 : $P_{616} = (7, 5, 1, 1)$
45 : $P_{627} = (2, 6, 1, 1)$
46 : $P_{650} = (9, 7, 1, 1)$
47 : $P_{669} = (12, 8, 1, 1)$
48 : $P_{690} = (1, 10, 1, 1)$
49 : $P_{692} = (3, 10, 1, 1)$
50 : $P_{697} = (8, 10, 1, 1)$
51 : $P_{706} = (1, 11, 1, 1)$
52 : $P_{710} = (5, 11, 1, 1)$
53 : $P_{720} = (15, 11, 1, 1)$
54 : $P_{735} = (14, 12, 1, 1)$
55 : $P_{741} = (4, 13, 1, 1)$
56 : $P_{775} = (6, 15, 1, 1)$
57 : $P_{797} = (12, 0, 2, 1)$
58 : $P_{825} = (8, 2, 2, 1)$
59 : $P_{863} = (14, 4, 2, 1)$
60 : $P_{873} = (8, 5, 2, 1)$
61 : $P_{896} = (15, 6, 2, 1)$
62 : $P_{905} = (8, 7, 2, 1)$
63 : $P_{998} = (5, 13, 2, 1)$
64 : $P_{1000} = (7, 13, 2, 1)$
65 : $P_{1005} = (12, 13, 2, 1)$
66 : $P_{1018} = (9, 14, 2, 1)$
67 : $P_{1048} = (7, 0, 3, 1)$
68 : $P_{1051} = (10, 0, 3, 1)$
69 : $P_{1056} = (15, 0, 3, 1)$
70 : $P_{1070} = (13, 1, 3, 1)$
71 : $P_{1096} = (7, 3, 3, 1)$
72 : $P_{1163} = (10, 7, 3, 1)$
73 : $P_{1216} = (15, 10, 3, 1)$
74 : $P_{1219} = (2, 11, 3, 1)$
75 : $P_{1226} = (9, 11, 3, 1)$
76 : $P_{1270} = (5, 14, 3, 1)$
77 : $P_{1303} = (6, 0, 4, 1)$
78 : $P_{1343} = (14, 2, 4, 1)$
79 : $P_{1376} = (15, 4, 4, 1)$
80 : $P_{1415} = (6, 7, 4, 1)$
81 : $P_{1417} = (8, 7, 4, 1)$
82 : $P_{1421} = (12, 7, 4, 1)$
83 : $P_{1440} = (15, 8, 4, 1)$
84 : $P_{1443} = (2, 9, 4, 1)$
85 : $P_{1504} = (15, 12, 4, 1)$
86 : $P_{1508} = (3, 13, 4, 1)$
87 : $P_{1556} = (3, 0, 5, 1)$
88 : $P_{1564} = (11, 0, 5, 1)$
89 : $P_{1565} = (12, 0, 5, 1)$
90 : $P_{1576} = (7, 1, 5, 1)$
91 : $P_{1593} = (8, 2, 5, 1)$
92 : $P_{1645} = (12, 5, 5, 1)$
93 : $P_{1717} = (4, 10, 5, 1)$
94 : $P_{1727} = (14, 10, 5, 1)$
95 : $P_{1732} = (3, 11, 5, 1)$
96 : $P_{1756} = (11, 12, 5, 1)$
97 : $P_{1822} = (13, 0, 6, 1)$
98 : $P_{1827} = (2, 1, 6, 1)$
99 : $P_{1856} = (15, 2, 6, 1)$
100 : $P_{1924} = (3, 7, 6, 1)$
101 : $P_{1929} = (8, 7, 6, 1)$
102 : $P_{1932} = (11, 7, 6, 1)$
103 : $P_{1947} = (10, 8, 6, 1)$
104 : $P_{1956} = (3, 9, 6, 1)$
105 : $P_{1986} = (1, 11, 6, 1)$
106 : $P_{2010} = (9, 12, 6, 1)$
107 : $P_{2031} = (14, 13, 6, 1)$
108 : $P_{2036} = (3, 14, 6, 1)$
109 : $P_{2040} = (7, 14, 6, 1)$
110 : $P_{2046} = (13, 14, 6, 1)$
111 : $P_{2077} = (12, 0, 7, 1)$
112 : $P_{2090} = (9, 1, 7, 1)$
113 : $P_{2105} = (8, 2, 7, 1)$
114 : $P_{2123} = (10, 3, 7, 1)$
115 : $P_{2135} = (6, 4, 7, 1)$
116 : $P_{2137} = (8, 4, 7, 1)$
117 : $P_{2141} = (12, 4, 7, 1)$
118 : $P_{2164} = (3, 6, 7, 1)$
119 : $P_{2169} = (8, 6, 7, 1)$
120 : $P_{2172} = (11, 6, 7, 1)$
121 : $P_{2214} = (5, 9, 7, 1)$
122 : $P_{2242} = (1, 11, 7, 1)$
123 : $P_{2261} = (4, 12, 7, 1)$
124 : $P_{2275} = (2, 13, 7, 1)$
125 : $P_{2326} = (5, 0, 8, 1)$
126 : $P_{2327} = (6, 0, 8, 1)$
127 : $P_{2331} = (10, 0, 8, 1)$
128 : $P_{2349} = (12, 1, 8, 1)$
129 : $P_{2400} = (15, 4, 8, 1)$
130 : $P_{2427} = (10, 6, 8, 1)$
131 : $P_{2455} = (6, 8, 8, 1)$
132 : $P_{2486} = (5, 10, 8, 1)$
133 : $P_{2499} = (2, 11, 8, 1)$
134 : $P_{2506} = (9, 11, 8, 1)$
135 : $P_{2590} = (13, 0, 9, 1)$
136 : $P_{2643} = (2, 4, 9, 1)$
137 : $P_{2676} = (3, 6, 9, 1)$
138 : $P_{2694} = (5, 7, 9, 1)$
139 : $P_{2724} = (3, 9, 9, 1)$
140 : $P_{2775} = (6, 12, 9, 1)$
141 : $P_{2782} = (13, 12, 9, 1)$
142 : $P_{2784} = (15, 12, 9, 1)$
143 : $P_{2805} = (4, 14, 9, 1)$
144 : $P_{2820} = (3, 15, 9, 1)$
145 : $P_{2833} = (0, 0, 10, 1)$
146 : $P_{2844} = (11, 0, 10, 1)$
147 : $P_{2850} = (1, 1, 10, 1)$
148 : $P_{2852} = (3, 1, 10, 1)$
149 : $P_{2857} = (8, 1, 10, 1)$
150 : $P_{2896} = (15, 3, 10, 1)$
151 : $P_{2917} = (4, 5, 10, 1)$
152 : $P_{2927} = (14, 5, 10, 1)$
153 : $P_{2966} = (5, 8, 10, 1)$
154 : $P_{2997} = (4, 10, 10, 1)$
155 : $P_{3004} = (11, 10, 10, 1)$
156 : $P_{3007} = (14, 10, 10, 1)$
157 : $P_{3026} = (1, 12, 10, 1)$
158 : $P_{3042} = (1, 13, 10, 1)$
159 : $P_{3077} = (4, 15, 10, 1)$
160 : $P_{3087} = (14, 15, 10, 1)$
161 : $P_{3089} = (0, 0, 11, 1)$
162 : $P_{3099} = (10, 0, 11, 1)$
163 : $P_{3106} = (1, 1, 11, 1)$
164 : $P_{3110} = (5, 1, 11, 1)$
165 : $P_{3120} = (15, 1, 11, 1)$
166 : $P_{3139} = (2, 3, 11, 1)$
167 : $P_{3146} = (9, 3, 11, 1)$
168 : $P_{3172} = (3, 5, 11, 1)$
169 : $P_{3186} = (1, 6, 11, 1)$
170 : $P_{3202} = (1, 7, 11, 1)$
171 : $P_{3219} = (2, 8, 11, 1)$
172 : $P_{3226} = (9, 8, 11, 1)$
173 : $P_{3267} = (2, 11, 11, 1)$
174 : $P_{3274} = (9, 11, 11, 1)$
175 : $P_{3275} = (10, 11, 11, 1)$
176 : $P_{3337} = (8, 15, 11, 1)$
177 : $P_{3351} = (6, 0, 12, 1)$
178 : $P_{3375} = (14, 1, 12, 1)$
179 : $P_{3424} = (15, 4, 12, 1)$
180 : $P_{3436} = (11, 5, 12, 1)$
181 : $P_{3450} = (9, 6, 12, 1)$
182 : $P_{3461} = (4, 7, 12, 1)$
183 : $P_{3495} = (6, 9, 12, 1)$
184 : $P_{3502} = (13, 9, 12, 1)$
185 : $P_{3504} = (15, 9, 12, 1)$
186 : $P_{3506} = (1, 10, 12, 1)$
187 : $P_{3558} = (5, 13, 12, 1)$
188 : $P_{3563} = (10, 13, 12, 1)$
189 : $P_{3568} = (15, 13, 12, 1)$
190 : $P_{3577} = (8, 14, 12, 1)$
191 : $P_{3608} = (7, 0, 13, 1)$
192 : $P_{3621} = (4, 1, 13, 1)$
193 : $P_{3638} = (5, 2, 13, 1)$
194 : $P_{3640} = (7, 2, 13, 1)$
195 : $P_{3645} = (12, 2, 13, 1)$
196 : $P_{3668} = (3, 4, 13, 1)$
197 : $P_{3711} = (14, 6, 13, 1)$

198 : $P_{3715} = (2, 7, 13, 1)$
199 : $P_{3762} = (1, 10, 13, 1)$
200 : $P_{3798} = (5, 12, 13, 1)$
201 : $P_{3803} = (10, 12, 13, 1)$
202 : $P_{3808} = (15, 12, 13, 1)$
203 : $P_{3830} = (5, 14, 13, 1)$
204 : $P_{3852} = (11, 15, 13, 1)$
205 : $P_{3864} = (7, 0, 14, 1)$
206 : $P_{3898} = (9, 2, 14, 1)$
207 : $P_{3910} = (5, 3, 14, 1)$
208 : $P_{3956} = (3, 6, 14, 1)$
209 : $P_{3960} = (7, 6, 14, 1)$
210 : $P_{3966} = (13, 6, 14, 1)$
211 : $P_{4005} = (4, 9, 14, 1)$
212 : $P_{4057} = (8, 12, 14, 1)$
213 : $P_{4070} = (5, 13, 14, 1)$
214 : $P_{4086} = (5, 14, 14, 1)$
215 : $P_{4121} = (8, 0, 15, 1)$
216 : $P_{4124} = (11, 0, 15, 1)$
217 : $P_{4126} = (13, 0, 15, 1)$
218 : $P_{4135} = (6, 1, 15, 1)$
219 : $P_{4260} = (3, 9, 15, 1)$
220 : $P_{4277} = (4, 10, 15, 1)$
221 : $P_{4287} = (14, 10, 15, 1)$
222 : $P_{4297} = (8, 11, 15, 1)$
223 : $P_{4332} = (11, 13, 15, 1)$
224 : $P_{4366} = (13, 15, 15, 1)$