

GRD	Polynomial	Slope Data		
38.11	$x^{10} - 6x^8 + 17x^6 - 36x^4 + 32x^2 - 16$ $x^{10} - 10x^8 + 40x^6 - 106x^4 + 392x^2 - 968$	2 $[\frac{4}{3}, \frac{4}{3}, 2, 3]_3$	13 [ ] <sub>5</sub>	
38.86	$x^{10} - x^9 + x^8 + 4x^7 - 10x^6 - 14x^5 - 6x^4 + 66x^3 + 75x^2 + 27x + 3$ $x^{10} - x^9 + 2x^8 + 2x^7 - 18x^6 + 8x^5 + 18x^4 - 10x^3 - 2x^2 + 2x - 4$	2 $[\frac{4}{3}, \frac{4}{3}, 2]_3$	3 [ ] <sub>5</sub>	29 [ ] <sub>2</sub>
39.01	$x^{10} - 2x^9 + 3x^8 - 4x^7 - 4x^6 - 6x^5 - 4x^4 - 4x^3 + 3x^2 - 2x + 1$ $x^{10} - 2x^9 + x^8 - 6x^6 + 8x^5 - 6x^4 + x^2 - 2x + 1$	2 $[\frac{6}{5}, \frac{6}{5}, \frac{6}{5}, \frac{6}{5}]_5$	3 $[\frac{3}{2}]_2$	23 [ ] <sub>2</sub>
39.55	$x^{10} + x^8 - 29x^6 - 73x^4 - 148x^2 - 100$ $x^{10} - x^8 - 29x^6 + 73x^4 - 148x^2 + 100$	2 $[\frac{4}{3}, \frac{4}{3}, 2, 2]_3$	3 [ ] <sub>5</sub>	7 [ ] <sub>5</sub>
39.64	$x^{10} - x^9 - x^8 - 4x^7 - 8x^6 + 2x^5 + 14x^4 + 28x^3 + 35x^2 + 21x + 7$ $x^{10} - x^9 - 10x^8 + 6x^7 - 36x^6 + 30x^5 - 8x^4 + 160x^3 + 179x^2 + 195x + 92$	2 $[\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$	7 [ ] <sub>5</sub>	11 [ ] <sub>2</sub>
40.08	$x^{10} + 4x^8 + 10x^6 + 8x^4 + 5x^2 - 4$ $x^{10} - x^8 + 4x^6 - 140x^4 + 500x^2 - 500$	2 $[\frac{4}{3}, \frac{4}{3}, \frac{8}{3}, \frac{8}{3}, \frac{7}{2}]_3$	3 [ ] <sub>5</sub>	5 [ ] <sub>2</sub>
41.92	$x^{10} - 2x^8 - 5x^6 + 14x^4 - 7x^2 - 4$ $x^{10} + 2x^8 - 5x^6 - 14x^4 - 7x^2 + 4$	2 [2, 2, 3]	3 [ ] <sub>5</sub>	7 [ ] <sub>3</sub>
42.06	$x^{10} - 20x^6 + 20x^4 + 20x^2 - 64$ $x^{10} - 5x^9 + 20x^7 - 10x^6 - 20x^5 + 40x^4 - 30x^3 + 5x^2 + 5x - 2$	2 $[\frac{4}{3}, \frac{4}{3}, 2]_3$	3 [ ] <sub>2</sub>	5 $[\frac{3}{2}]_2$
42.18	$x^{10} + 5x^8 - 36x^7 - 56x^6 - 180x^5 - 298x^4 - 328x^3 - 157x^2 - 310x - 263$ $x^{10} - 3x^8 - 4x^6 - 4x^5 + 10x^4 - 4x^3 - 11x^2 + 2x - 1$	2 $[\frac{6}{5}, \frac{6}{5}, \frac{6}{5}, \frac{6}{5}]_5$	349 [ ] <sub>2</sub>	
42.64	$x^{10} - 9x^8 + 6x^6 + 66x^4 + 45x^2 - 9$ $x^{10} + 8x^4 - 48x^2 + 12$	2 $[\frac{6}{5}, \frac{6}{5}, \frac{6}{5}, \frac{6}{5}]_5$	3 [2] <sub>4</sub>	11 [ ] <sub>2</sub>
42.66	$x^{10} - x^9 + x^8 + 6x^5 - x^2 - x - 1$ $x^{10} - x^8 + 5x^6 - 19x^4 + 19x^2 - 19$	2 [2, 2, 2, 2]	19 [ ] <sub>6</sub>	
42.72	$x^{10} - 2x^9 + 7x^8 - 12x^7 + 12x^6 - 22x^5 + 12x^4 - 12x^3 + 7x^2 - 2x + 1$ $x^{10} - 4x^9 + 3x^8 + 4x^7 - 8x^6 + 6x^5 + 8x^4 + 4x^3 - 3x^2 - 4x - 1$	2 $[\frac{6}{5}, \frac{6}{5}, \frac{6}{5}, \frac{6}{5}]_5$	3 [2]	5 [ ] <sub>12</sub>
43.21	$x^{10} + 11x^8 + 54x^6 + 130x^4 + 45x^2 - 81$ $x^{10} - 11x^8 + 54x^6 - 130x^4 + 45x^2 + 81$	2 [2, 2, 3, $\frac{7}{2}, \frac{7}{2}$ ]	7 [ ] <sub>5</sub>	
43.85	$x^{10} - 8x^8 + 10x^6 + 36x^4 + 5x^2 - 64$ $x^{10} - 3x^9 - 6x^8 + 24x^7 + 20x^6 - 64x^5 - 80x^4 + 20x^3 + 228x^2 + 116x - 296$	2 $[\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$	5 [ ] <sub>2</sub>	13 [ ] <sub>5</sub>
44.03	$x^{10} - x^9 + 5x^7 - 18x^6 + 43x^5 - 61x^4 + 52x^3 - 28x^2 + 10x - 2$ $x^{10} - 9x^8 + 3x^6 + 73x^4 - 100x^2 + 36$	2 [2, 2] <sub>3</sub>	5 [ ] <sub>3</sub>	7 [ ] <sub>5</sub>
44.46	$x^{10} + 7x^8 - 14x^6 - 154x^4 - 175x^2 - 49$ $x^{10} - 5x^9 + 6x^8 + 12x^3 + 66x^2 - 26x - 56$	2 [2, 2, 2]	3 [ ] <sub>5</sub>	7 [ ] <sub>8</sub>
44.49	$x^{10} + 4x^8 + 4x^6 - 4x^4 - 4x^2 - 4$ $x^{10} - 7x^8 - 12x^7 + 16x^6 + 54x^5 + 16x^4 - 12x^3 - 7x^2 + 1$	2 $[\frac{6}{5}, \frac{6}{5}, \frac{6}{5}, \frac{6}{5}]_5$	3 [ ] <sub>5</sub>	5 [ ] <sub>2</sub> 7 [ ] <sub>3</sub>

Note, the first polynomial in each pair has Galois group 10T37, and the second has Galois group 10T38, but with the same splitting field.