

DATA TABLES FOR DEGREE 14 EXTENSIONS OF \mathbb{Q}_7

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ABSTRACT. This data accompanies the paper *Degree 14 extensions of \mathbb{Q}_7* . Please see the paper for the notation.

Table 1: Extensions of \mathbb{Q}_7

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 84x^{12} + 49x^{10} - 42x^7 + 49x^5 + 105$	14	19	2T1	1	-1	24
$x^{14} + 7x^{12} + 21$	14	19	2T1, 7T3	2	-1	5
$x^{14} - 91x^{12} + 98x^{10} - 91x^7 - 147x^5 - 28$	14	19	2T1	1	-1	14
$x^{14} - 91x^{12} + 98x^{10} + 161x^7 + 49x^5 - 77$	14	19	2T1	1	-1	14
$x^{14} - 91x^{12} + 98x^{10} + 70x^7 - 98x^5 + 70$	14	19	2T1	1	-1	14
$x^{14} + 7x^{12} + 35$	14	19	2T1, 7T3	2	-1	5
$x^{14} + 161x^{12} + 49x^{10} - 91x^7 + 49x^5 - 28$	14	19	2T1	1	-1	14
$x^{14} + 161x^{12} + 49x^{10} + 161x^7 + 98x^5 - 77$	14	19	2T1	1	-1	14
$x^{14} + 161x^{12} + 49x^{10} + 70x^7 + 147x^5 + 70$	14	19	2T1	1	-1	14
$x^{14} + 21x^{12} + 21$	14	19	2T1, 7T2	2	-1	3
$x^{14} + 70x^{12} - 147x^{10} - 91x^7 - 98x^5 - 28$	14	19	2T1	1	-1	13
$x^{14} + 70x^{12} - 147x^{10} + 161x^7 + 147x^5 - 77$	14	19	2T1	1	-1	13
$x^{14} + 70x^{12} - 147x^{10} + 70x^7 + 49x^5 + 70$	14	19	2T1	1	-1	13
$x^{14} - 21x^{12} - 147x^{10} - 126$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 14x^{12} + 35$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 21x^{12} - 147x^{10} + 168$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 21x^{12} - 147x^{10} - 28$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 14x^{12} + 84$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 7x^{12} + 91$	14	19	2T1, 7T1	14	-1	1

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 7x^{12} + 42$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 - 28$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 + 119$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 - 77$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 + 70$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 - 126$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 + 21$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} - 91x^7 + 98x^5 + 168$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 - 77$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 + 70$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 - 126$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 + 21$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 + 168$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 - 28$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 161x^7 - 147x^5 + 119$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 + 70$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 - 126$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 + 21$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 + 168$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 - 28$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 + 119$	14	19	2T1	7	-1	8
$x^{14} - 21x^{12} - 147x^{10} + 70x^7 - 49x^5 - 77$	14	19	2T1	7	-1	8

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 21x^{12} + 42$	14	19	2T1, 7T4	2	-1	7
$x^{14} - 112x^{12} + 49x^{10} - 91x^7 - 49x^5 - 28$	14	19	2T1	1	-1	24
$x^{14} - 112x^{12} + 49x^{10} + 161x^7 - 98x^5 - 77$	14	19	2T1	1	-1	24
$x^{14} - 112x^{12} + 49x^{10} + 70x^7 - 147x^5 + 70$	14	19	2T1	1	-1	24
$x^{14} + 21x^{12} + 35$	14	19	2T1, 7T4	2	-1	7
$x^{14} + 140x^{12} + 98x^{10} - 91x^7 + 147x^5 - 28$	14	19	2T1	1	-1	24
$x^{14} + 140x^{12} + 98x^{10} + 161x^7 - 49x^5 - 77$	14	19	2T1	1	-1	24
$x^{14} + 140x^{12} + 98x^{10} + 70x^7 + 98x^5 + 70$	14	19	2T1	1	-1	24
$x^{14} + 7x + 22$	7	14	2T1	1	1	23
$x^{14} + 7x + 11$	7	14	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 42x^8 - 141x^7 + 161x^6 - 77x^5 - 98x^4 + 91x^3 + 112x^2 - 49x - 95$	7	14	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 41x^7 + 63x^6 - 77x^5 + 140x^3 - 84x^2 - 161x - 102$	7	14	2T1	1	1	23
$x^{14} + 7x + 18$	7	14	2T1	1	1	23
$x^{14} + 7x + 8$	7	14	2T1	1	1	23
$x^{14} + 49x + 2$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 7x + 32$	7	14	2T1	1	1	23
$x^{14} + x^7 + 32$	7	14	2T1	1	-1	24
$x^{14} + 7x + 1$	7	14	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 14x^8 + 34x^7 - 35x^6 + 70x^5 + 98x^4 + 91x^3 - 35x^2 - 168x + 59$	7	14	2T1	1	-1	24
$x^{14} + 98x + 98$	7	14	2T1	1	-1	24
$x^{14} + 7x^2 + 1$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 7x + 9$	7	14	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 112x^8 + 6x^7 + 63x^6 - 126x^5 - 56x^3 - 84x^2 - 147x + 136$	7	14	2T1	1	1	23
$x^{14} + 7x + 23$	7	14	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 28x^8 + 27x^7 - 133x^6 - 126x^5 - 147x^4 + 42x^3 + 112x^2 + 70x + 171$	7	14	2T1	1	-1	24
$x^{14} + 7x + 16$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 49x + 98$	7	14	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 126x^8 - x^7 - 35x^6 + 21x^5 + 98x^4 - 105x^3 + 63x^2 + 91x - 95$	7	14	2T1	1	1	23
$x^{14} + 7x + 36$	7	14	2T1	1	1	23
$x^{14} + 7x + 37$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 7x + 2$	7	14	2T1	1	-1	24
$x^{14} + x^7 + 4$	7	14	2T1	1	-1	24
$x^{14} + 28x^2 + 1$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 7x + 4$	7	14	2T1	1	1	23
$x^{14} + 35x^2 + 1$	7	14	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 7x^9 + 140x^8 - 57x^7 - 84x^6 + 119x^5 - 56x^3 - 98x^2 + 77x - 25$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 49x^9 + 112x^8 - 113x^7 + 63x^6 - 28x^5 + 42x^3 + 84x^2 - 133x + 122$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 91x^9 + 84x^8 - 169x^7 - 133x^6 + 168x^5 - 49x^4 - 105x^3 - 77x^2 - 49x + 171$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 133x^9 + 56x^8 + 118x^7 + 14x^6 + 21x^5 - 147x^4 - 154x^3 + 105x^2 - 14x + 122$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 168x^9 + 28x^8 + 62x^7 + 161x^6 - 126x^5 + 49x^4 - 105x^3 - 56x^2 - 28x - 25$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 126x^9 + 6x^7 - 35x^6 + 70x^5 - 147x^4 + 42x^3 + 126x^2 - 91x + 73$	7	16	2T1	1	1	23
$x^{14} + 42x^2 + 8$	7	16	2T1, 7T3	2	-1	5

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 7x^9 - 168x^8 + 6x^7 + 161x^6 - 126x^5 - 49x^4 - 154x^3 - 7x^2 + 56x - 165$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 35x^9 + 147x^8 - 50x^7 - 35x^6 + 70x^5 - 154x^3 - 168x^2 - 105x + 80$	7	16	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 77x^9 + 119x^8 - 106x^7 + 112x^6 - 77x^5 - 56x^3 + 14x^2 + 28x - 116$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 119x^9 + 91x^8 - 162x^7 - 84x^6 + 119x^5 - 49x^4 + 140x^3 - 147x^2 + 112x - 67$	7	16	2T1	1	-1	14
$x^{14} + 7x^9 + 98$	7	16	2T1	1	-1	14
$x^{14} + 42x^2 + 4$	7	16	2T1, 7T3	2	-1	5
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 21x^9 - 133x^8 + 69x^7 + 63x^6 - 28x^5 - 105x^3 + 84x^2 + 133x - 109$	7	16	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 21x^9 - 161x^8 + 13x^7 - 133x^6 + 168x^5 + 98x^4 + 140x^3 - 77x^2 + 21x - 109$	7	16	2T1	1	1	23
$x^{14} + 7x^9 + 49$	7	16	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 105x^9 + 126x^8 - 99x^7 + 161x^6 - 126x^5 + 147x^4 - 105x^3 - 56x^2 - 7x - 60$	7	16	2T1	1	-1	14
$x^{14} + 42x^2 + 2$	7	16	2T1, 7T4	2	-1	4
$x^{14} + 14x^9 + 49$	7	16	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 7x^9 - 126x^8 + 76x^7 + 112x^6 - 77x^5 - 49x^4 - 105x^3 + 14x^2 - 98x - 102$	7	16	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} - 49x^9 - 154x^8 + 20x^7 - 84x^6 + 119x^5 + 49x^4 + 140x^3 - 147x^2 + 133x - 102$	7	16	2T1	1	1	23
$x^{14} + 42x^2 + 1$	7	16	2T1, 7T3	2	-1	5

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 49x^9 - 63x^8 - 148x^7 - 133x^6 + 168x^5 + 49x^4 + 91x^3 - 77x^2 - 105x - 95$	7	16	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 7x^9 - 91x^8 + 139x^7 + 14x^6 + 21x^5 - 98x^4 + 140x^3 + 105x^2 - 119x + 101$	7	16	2T1	1	-1	14
$x^{14} + 42x^2 + 9$	7	16	2T1, 7T4	2	-1	4
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 63x^9 - 28x^8 - 85x^7 + 112x^6 - 77x^5 + 49x^4 - 105x^3 + 14x^2 - 77x - 137$	7	16	2T1	1	1	23
$x^{14} + 42x^2 + 29$	7	16	2T1, 7T4	2	-1	4
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 91x^{10} + 140x^9 + 49x^8 - x^7 + 14x^6 + 168x^5 - 49x^4 + 77x^3 - 105x^2 - 154x - 4$	7	18	2T1	1	1	12
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 133x^{10} - 98x^9 - 70x^8 - x^7 - 133x^6 - 126x^5 + 49x^4 + 112x^3 + 21x^2 + 91x - 32$	7	18	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 168x^{10} + 7x^9 + 154x^8 - x^7 + 14x^6 + 70x^5 - 98x^4 + 49x^3 + 98x^2 - 56x - 11$	7	18	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 126x^{10} + 112x^9 + 35x^8 - x^7 + 112x^6 + 70x^5 - 147x^4 - 112x^3 + 126x^2 + 91x + 59$	7	18	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 84x^{10} - 126x^9 - 84x^8 - x^7 + 161x^6 - 126x^5 - 98x^4 - 28x^3 + 105x^2 - 154x - 165$	7	18	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 42x^{10} - 21x^9 + 140x^8 - x^7 + 161x^6 + 168x^5 + 49x^4 - 42x^3 + 35x^2 - 105x + 3$	7	18	2T1	1	1	12
$x^{14} + 7x^{10} + 98$	7	18	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 77x^{10} - 126x^9 + 140x^8 - 43x^7 + 63x^6 - 126x^5 - 49x^4 + 70x^3 + 35x^2 - 84x - 53$	7	18	2T1	1	1	23

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 119x^{10} - 21x^9 + 21x^8 - 43x^7 - 35x^6 + 119x^5 - 49x^4 - 140x^3 - 133x^2 - 133x - 130$	7	18	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 161x^{10} + 84x^9 - 98x^8 - 43x^7 + 161x^6 + 168x^5 + 49x^4 - 105x^3 - 7x^2 + 112x - 158$	7	18	2T1	1	1	12
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 140x^{10} - 154x^9 + 126x^8 - 43x^7 - 35x^6 + 21x^5 - 98x^4 - 168x^3 + 70x^2 - 35x - 137$	7	18	2T1	1	-1	13
$x^{14} + 49x^3 + 98$	7	18	2T1	1	-1	13
$x^{14} + 14x^{10} + 98$	7	18	2T1, 7T2	2	-1	3
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 63x^{10} - 49x^9 - 112x^8 - 85x^7 - 133x^6 - 28x^5 + 98x^4 - 84x^3 - 70x^2 + 84x + 143$	7	18	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 105x^{10} + 56x^9 + 112x^8 - 85x^7 + 161x^6 + 70x^5 + 147x^3 + 154x^2 + 84x + 17$	7	18	2T1	1	1	23
$x^{14} + 49x^3 + 49$	7	18	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} + 154x^{10} - 77x^9 - 126x^8 - 85x^7 - 84x^6 + 21x^5 + 98x^4 - 28x^3 + 112x^2 - 63x - 88$	7	18	2T1	1	-1	13
$x^{14} + 21x^{10} + 98$	7	18	2T1, 7T4	2	-1	7
$x^{14} + 98x^3 + 49$	7	18	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 91x^{10} + 133x^9 - 140x^8 - 127x^7 + 112x^6 + 70x^5 - 147x^4 - 56x^3 - 147x^2 + 56x + 66$	7	18	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 133x^{10} - 105x^9 + 84x^8 - 127x^7 + 63x^6 + 168x^5 + 98x^4 - 168x^3 + 77x^2 + 56x - 60$	7	18	2T1	1	1	12
$x^{14} + 7x^{10} + 49$	7	18	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 35x^{10} + 105x^9 + 70x^8 - 169x^7 + 112x^6 - 28x^5 + 147x^4 - 147x^3 + 14x^2 + 28x - 102$	7	18	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 77x^{10} - 133x^9 - 49x^8 - 169x^7 + 161x^6 + 119x^5 - 147x^4 - 63x^3 - 7x^2 + 126x + 17$	7	18	2T1	1	-1	24
$x^{14} + 21x^{10} + 49$	7	18	2T1, 7T2	2	-1	3
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 21x^{10} - 161x^9 + 161x^8 + 132x^7 - 133x^6 - 126x^5 + 49x^4 - 56x^3 - 140x^2 + 147x + 143$	7	18	2T1	1	1	23
$x^{14} + 35x^{10} + 49$	7	18	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 42x^{11} - 154x^{10} + 91x^9 - 126x^8 + 69x^7 + 112x^6 + 168x^5 + 84x^4 - 35x^3 - 35x^2 - 21x - 144$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 84x^{10} + 147x^9 - 126x^8 - 8x^7 - 84x^6 - 28x^5 - 126x^4 + 35x^3 + 161x^2 - 133x + 129$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 42x^{11} - 21x^{10} - 140x^9 + 168x^8 + 111x^7 - 133x^6 + 21x^5 + 7x^4 + 154x^3 - 35x^2 - 98x - 137$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 84x^{11} - 126x^{10} - 84x^9 + 70x^8 + 83x^7 - 35x^6 - 28x^5 + 140x^4 - 21x^3 + 63x^2 + 84x + 87$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 126x^{11} + 112x^{10} - 28x^9 - 77x^8 - 92x^7 - 133x^6 + 168x^5 - 70x^4 - 147x^3 + 112x^2 + 70x + 115$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 168x^{11} + 7x^{10} + 28x^9 + 70x^8 - 71x^7 - 84x^6 - 77x^5 + 63x^4 + 119x^3 + 112x^2 - 140x - 53$	7	20	2T1	1	1	23
$x^{14} + 49x^4 + 98$	7	20	2T1, 7T3	2	-1	5
$x^{14} + 42x^{13} + 91x^{12} + 56x^{11} - 35x^{10} + 77x^9 + 49x^8 - 29x^7 + 63x^6 - 126x^5 - 70x^4 + 70x^3 + 7x^2 - 70x - 165$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 14x^{11} - 140x^{10} + 133x^9 + 98x^8 + 41x^7 + 63x^6 + 119x^5 + 63x^4 + 91x^3 - 91x^2 + 14x - 39$	7	20	2T1	1	-1	14

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} - 28x^{11} + 98x^{10} - 154x^9 + 98x^8 - 36x^7 - 133x^6 - 77x^5 - 147x^4 + 161x^3 + 105x^2 - 98x - 109$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 70x^{11} - 7x^{10} - 98x^9 + 49x^8 + 83x^7 + 161x^6 - 28x^5 - 14x^4 - 63x^3 - 91x^2 - 63x - 32$	7	20	2T1	1	-1	14
$x^{14} + 21x^{11} + 49$	7	20	2T1	1	-1	14
$x^{14} + 98x^4 + 98$	7	20	2T1, 7T3	2	-1	5
$x^{14} + 42x^{13} + 91x^{12} + 70x^{11} + 84x^{10} + 63x^9 - 21x^8 + 167x^7 + 63x^6 + 119x^5 + 119x^4 + 77x^3 + 147x^2 - 70x - 137$	7	20	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 28x^{11} - 21x^{10} + 119x^9 + 77x^8 + 41x^7 - 84x^6 + 119x^5 - 91x^4 + 49x^3 + 98x^2 - 133x - 158$	7	20	2T1	1	1	23
$x^{14} + 7x^{11} + 49$	7	20	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} - 56x^{11} + 112x^{10} - 112x^9 + 126x^8 + 34x^7 + 63x^6 + 168x^5 - 168x^4 + 140x^3 - 147x^2 - 161x - 102$	7	20	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 126x^{11} - 35x^{10} - 7x^9 + 154x^8 + 146x^7 - 133x^6 + 21x^5 - 168x^4 + 112x^3 - 7x^2 - 7x - 88$	7	20	2T1, 7T4	2	-1	4
$x^{14} + 14x^{11} + 49$	7	20	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 42x^{11} + 98x^{10} + 105x^9 + 154x^8 - 8x^7 + 161x^6 - 28x^5 + 98x^4 - 91x^3 + 42x^2 + 112x + 115$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} - 7x^{10} + 161x^9 - 91x^8 - 134x^7 + 14x^6 - 28x^5 - 112x^4 - 119x^3 - 7x^2 + 49x + 94$	7	20	2T1	1	1	23
$x^{14} + 49x^4 + 49$	7	20	2T1, 7T3	2	-1	5
$x^{14} + 42x^{13} + 91x^{12} + 98x^{11} - 21x^{10} + 35x^9 + 133x^8 + 69x^7 - 133x^6 + 168x^5 + 154x^4 + 140x^3 + 35x^2 + 77x + 66$	7	20	2T1	1	-1	14

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 91x^{12} + 56x^{11} - 126x^{10} + 91x^9 - 14x^8 - 106x^7 + 112x^6 + 21x^5 - 56x^4 + 14x^3 + 84x^2 + 63x + 94$	7	20	2T1	1	-1	14
$x^{14} + 42x^{13} + 91x^{12} + 154x^{11} - 140x^{10} - 35x^9 + 63x^8 - x^7 + 63x^6 - 77x^5 - 133x^4 + 77x^3 - 21x^2 - 154x + 164$	7	20	2T1, 7T4	2	-1	4
$x^{14} + 42x^{13} + 91x^{12} + 112x^{11} + 98x^{10} + 21x^9 + 14x^8 + 118x^7 + 14x^6 - 28x^5 - 147x^3 + 126x^2 - 119x - 102$	7	20	2T1	1	1	23
$x^{14} + 42x^{13} + 91x^{12} + 168x^{11} - 21x^{10} - 49x^9 - 7x^8 - 148x^7 + 63x^6 + 168x^5 + 56x^4 + 84x^3 + 119x^2 - 154x - 151$	7	20	2T1, 7T4	2	-1	4
$x^{14} + 42x^{13} + 49x^{12} + 112x^{11} - 119x^{10} - 161x^9 + 28x^8 + 125x^7 + 112x^6 + 56x^5 + 63x^4 - 56x^3 + 77x^2 + 35x - 116$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} + 7x^{12} + 140x^{11} + 105x^{10} - 112x^9 + 35x^8 - 92x^7 - 35x^6 - 56x^5 + 77x^4 - 56x^3 - 56x^2 + 126x + 136$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} - 35x^{12} + 168x^{11} - 63x^{10} - 161x^9 - 154x^8 + 34x^7 + 14x^6 - 70x^5 - 7x^4 - 56x^3 + 7x^2 + 168x + 143$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} - 77x^{12} - 147x^{11} + 63x^{10} + 35x^9 + 147x^8 + 160x^7 - 84x^6 + 14x^5 + 154x^4 - 56x^3 - 77x^2 + 161x - 95$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} - 119x^{12} - 119x^{11} + 140x^{10} + 133x^9 - 91x^8 - 57x^7 + 14x^6 - 147x^5 - 126x^4 - 56x^3 + 35x^2 + 105x + 108$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} - 161x^{12} - 91x^{11} + 168x^{10} + 133x^9 + 161x^8 + 69x^7 - 35x^6 + 133x^5 - 161x^4 - 56x^3 + 66$	7	22	2T1	1	1	23
$x^{14} + 21x^{12} + 98$	7	22	2T1, 7T4	2	-1	7

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 63x^{12} - 70x^{11} + 70x^{10} + 56x^9 + 126x^8 + 55x^7 + 161x^6 + 98x^5 - 14x^4 + 63x^3 - 168x^2 - 119x + 150$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} + 21x^{12} - 42x^{11} - 140x^9 - 14x^8 - 162x^7 + 161x^6 - 112x^5 + 98x^4 + 63x^3 - 154x^2 + 21x - 39$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} - 21x^{12} - 14x^{11} - 119x^{10} - 91x^9 - 7x^8 - 36x^7 + 14x^6 + 119x^5 + 112x^4 + 63x^3 + 56x^2 + 112x - 130$	7	22	2T1	1	1	23
$x^{14} + 42x^{13} - 63x^{12} + 14x^{11} + 56x^{10} - 140x^9 + 147x^8 + 90x^7 + 63x^6 + 105x^5 + 28x^4 + 63x^3 + 119x^2 + 154x - 123$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} - 105x^{12} + 42x^{11} - 161x^{10} + 56x^9 + 105x^8 - 127x^7 - 35x^6 - 154x^5 - 154x^4 + 63x^3 + 35x^2 + 147x - 18$	7	22	2T1	1	-1	24
$x^{14} + 21x^{12} + 49$	7	22	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 77x^{12} + 91x^{11} + 14x^{10} + 126x^9 - 70x^8 - 15x^7 + 161x^6 - 56x^5 + 105x^4 - 161x^3 - 119x^2 + 168x - 123$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} + 35x^{12} + 119x^{11} - 7x^{10} + 28x^9 - 14x^8 + 111x^7 - 35x^6 - 21x^5 - 28x^4 - 161x^3 + 42x^2 + 14x - 67$	7	22	2T1	1	1	23
$x^{14} + 49x^5 + 49$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} - 49x^{12} - 168x^{11} + 147x^{10} - 119x^9 - 147x^8 + 20x^7 + 161x^6 + 98x^4 - 161x^3 - 77x^2 - 98x - 4$	7	22	2T1	1	-1	24
$x^{14} + 7x^{12} + 49$	7	22	2T1, 7T4	2	-1	7
$x^{14} + 98x^5 + 49$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} + 49x^{12} - 63x^{11} + 84x^{10} + 49x^9 + 35x^8 + 41x^7 + 63x^6 - 126x^5 + 42x^4 - 42x^3 - 154x^2 + 105x + 52$	7	22	2T1	1	1	23

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} + 7x^{12} - 35x^{11} + 63x^{10} - 49x^9 + 91x^8 + 167x^7 - 133x^6 - 91x^5 - 91x^4 - 42x^3 + 7x^2 - 49x + 108$	7	22	2T1	1	1	23
$x^{14} + 35x^{12} + 98$	7	22	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 105x^{12} + 70x^{11} - 147x^{10} + 168x^9 + 28x^8 - 155x^7 + 14x^6 + 77x^5 - 98x^4 + 77x^3 - 168x^2 + 7x + 115$	7	22	2T1	1	-1	24
$x^{14} + 42x^{13} + 63x^{12} + 98x^{11} - 70x^{10} - 77x^9 + 133x^8 - 29x^7 + 112x^6 - 84x^5 - 35x^4 + 77x^3 - 56x^2 - 49x - 25$	7	22	2T1	1	-1	24
$x^{14} + 7x^{12} + 98$	7	22	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 119x^{12} - 112x^{11} + 91x^{10} + 140x^9 - 21x^8 + 118x^7 - 133x^6 + 21x^5 - 77x^4 - 147x^3 + 77x^2 - 98x - 60$	7	22	2T1	1	1	23
$x^{14} + 14x^{12} + 49$	7	22	2T1, 7T4	2	-1	7
$x^{14} + 56x^{12} - 21x^{11} - 147x^{10} + 154x^9 - 7x^8 + 55x^7 + 98x^6 + 126x^5 + 49x^4 - 77x^3 - 154x^2 - 63x - 165$	7	24	2T1	1	1	23
$x^{14} - 42x^{13} - 28x^{12} + 168x^{11} - 147x^{10} - 168x^9 + 112x^8 + 13x^7 + 133x^6 + 35x^5 + 49x^4 + 21x^2 + 77x - 109$	7	24	2T1	1	1	23
$x^{14} - 84x^{13} - 161x^{12} - 35x^{11} - 49x^{10} + 98x^9 - 161x^8 - 127x^7 - 126x^6 - 7x^5 - 49x^4 - 168x^3 - 98x^2 - 28x - 102$	7	24	2T1	1	1	12
$x^{14} - 126x^{13} + 56x^{11} + 147x^{10} - 77x^9 - 140x^8 - 22x^7 + 7x^6 + 98x^4 + 105x^3 - 168x^2 - 35x - 144$	7	24	2T1	1	1	12
$x^{14} - 168x^{13} + 112x^{12} + 98x^{11} + 98x^{10} - 7x^9 - 168x^8 - 15x^7 - 154x^6 + 56x^5 + 147x^4 + 133x^3 + 154x^2 + 56x + 108$	7	24	2T1	1	1	23
$x^{14} + 133x^{13} - 168x^{12} + 91x^{11} + 147x^{10} - 35x^9 + 98x^8 - 106x^7 + 77x^6 + 161x^5 + 98x^4 - 84x^3 - 161x^2 - 98x - 32$	7	24	2T1	1	1	23

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 56x^{13} - 147x^{11} + 91x^{10} - 14x^9 - 154x^8 + 69x^7 + 56x^6 - 140x^5 + 7x^4 - 7x^3 - 154x^2 - 77x + 17$	7	24	2T1, 7T2	14	-1	2
$x^{14} + 56x^{13} - 147x^{11} + 91x^{10} - 14x^9 - 154x^8 + 118x^7 + 56x^6 - 140x^5 + 7x^4 - 7x^3 - 154x^2 - 77x - 81$	7	24	2T1	7	-1	8
$x^{14} + 56x^{13} - 147x^{11} + 91x^{10} - 14x^9 - 154x^8 + 167x^7 + 56x^6 - 140x^5 + 7x^4 - 7x^3 - 154x^2 - 77x + 164$	7	24	2T1	7	-1	8
$x^{14} + 56x^{13} - 147x^{11} + 91x^{10} - 14x^9 - 154x^8 - 127x^7 + 56x^6 - 140x^5 + 7x^4 - 7x^3 - 154x^2 - 77x + 66$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} + 14x^{12} + 140x^{11} - 105x^{10} - 140x^9 + 63x^8 - 120x^7 - 7x^6 + 14x^5 - 140x^4 - 126x^3 - 77x^2 - 133x + 171$	7	24	2T1	1	1	23
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 - 64x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x - 67$	7	24	2T1	7	-1	8
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 - 15x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x - 165$	7	24	2T1	7	-1	8
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 + 34x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x + 80$	7	24	2T1	7	-1	8
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 + 83x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x - 18$	7	24	2T1	7	-1	8
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 + 132x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x - 116$	7	24	2T1	7	-1	8

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 - 162x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x + 129$	7	24	2T1	7	-1	8
$x^{14} - 28x^{13} - 21x^{12} + 35x^{11} + 140x^{10} - 21x^9 - 112x^8 - 113x^7 - 21x^6 - 126x^5 - 42x^4 - 147x^3 + 49x^2 - 91x + 31$	7	24	2T1	7	-1	8
$x^{14} - 70x^{13} - 105x^{12} - 119x^{11} + 140x^{10} + 7x^8 - 106x^7 + 14x^6 + 126x^5 - 42x^4 - 70x^3 - 119x^2 + 49x - 11$	7	24	2T1	1	1	23
$x^{14} - 112x^{13} + 105x^{12} + 21x^{11} - 105x^{10} - 77x^9 + 77x^8 + 97x^7 + 98x^6 + 84x^5 - 140x^4 + 105x^3 + 105x^2 - 56x - 4$	7	24	2T1	1	-1	14
$x^{14} + 14x^{13} + 98$	7	24	2T1	1	-1	14
$x^{14} + 70x^{13} + 7x^{12} + 63x^{11} + 35x^{10} + 133x^9 - 35x^8 - 8x^7 - 98x^6 + 42x^5 - 84x^4 - 154x^3 - 126x^2 + 98x + 59$	7	24	2T1, 7T4	2	-1	4
$x^{14} + 28x^{13} + 70x^{12} + 56x^{11} + 84x^{10} + 105x^9 - 112x^8 - 99x^7 + 133x^6 + 147x^5 - 133x^4 - 28x^3 - 98x^2 - 56x - 81$	7	24	2T1	1	-1	14
$x^{14} - 14x^{13} + 84x^{12} - 112x^{10} - 21x^9 + 105x^8 + 55x^7 + 70x^6 - 42x^5 + 63x^4 - 147x^3 - 21x^2 - 112x + 73$	7	24	2T1	1	1	12
$x^{14} + 7x^{13} + 49$	7	24	2T1	1	-1	14
$x^{14} - 98x^{13} - 35x^{12} + 84x^{11} + 133x^{10} + 119x^9 + 49x^8 + 69x^7 + 91x^6 + 70x^5 + 161x^4 - 91x^3 - 63x^2 + 70x - 109$	7	24	2T1	1	-1	14
$x^{14} + 49x^6 + 49$	7	24	2T1, 7T3	2	-1	5
$x^{14} + 14x^{13} + 49$	7	24	2T1	7	-1	8
$x^{14} + 42x^{13} - 119x^{12} + 70x^{11} + 77x^{10} - 140x^9 + 154x^8 + 167x^7 - 168x^6 - 161x^5 + 70x^4 - 126x^3 + 126x^2 + 168x + 10$	7	24	2T1	7	-1	8
$x^{14} + 7x^{13} + 98$	7	24	2T1	7	-1	8

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 42x^{13} - 119x^{12} + 70x^{11} + 77x^{10} - 140x^9 + 154x^8 - 78x^7 - 168x^6 - 161x^5 + 70x^4 - 126x^3 + 126x^2 + 168x + 157$	7	24	2T1	7	-1	8
$x^{14} + 42x^{13} - 119x^{12} + 70x^{11} + 77x^{10} - 140x^9 + 154x^8 - 29x^7 - 168x^6 - 161x^5 + 70x^4 - 126x^3 + 126x^2 + 168x + 59$	7	24	2T1	7	-1	8
$x^{14} + 42x^{13} - 119x^{12} + 70x^{11} + 77x^{10} - 140x^9 + 154x^8 + 20x^7 - 168x^6 - 161x^5 + 70x^4 - 126x^3 + 126x^2 + 168x - 39$	7	24	2T1	7	-1	8
$x^{14} + 42x^{13} - 119x^{12} + 70x^{11} + 77x^{10} - 140x^9 + 154x^8 + 69x^7 - 168x^6 - 161x^5 + 70x^4 - 126x^3 + 126x^2 + 168x - 137$	7	24	2T1	7	-1	8
$x^{14} - 56x^{12} + 63x^{11} + 126x^{10} - 168x^9 + 77x^8 + 27x^7 + 63x^6 - 56x^5 + 21x^4 + 154x^2 + 14x - 32$	7	24	2T1	1	1	12
$x^{14} - 42x^{13} - 42x^{12} + 7x^{11} - 70x^{10} + 49x^9 - 49x^8 - 162x^7 + 98x^5 - 126x^4 - 119x^3 - 112x^2 - 42x + 122$	7	24	2T1	1	1	23
$x^{14} + 98x^{13} - 28x^{12} + 91x^{11} + 21x^{10} - 14x^9 + 154x^8 + 83x^7 - 14x^6 + 112x^5 - 21x^4 - 7x^3 - 21x^2 - 140x + 94$	7	24	2T1, 7T4	2	-1	4
$x^{14} + 56x^{13} + 133x^{12} - 161x^{11} - 126x^{10} + 154x^9 - 168x^8 - 155x^7 + 119x^6 + 119x^5 + 126x^4 - 77x^3 - 91x^2 - 147x + 52$	7	24	2T1	1	-1	14
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 - 148x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x - 39$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 - 99x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x - 137$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 - 50x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x + 108$	7	24	2T1	7	-1	8

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 - x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x + 10$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 + 48x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x - 88$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 + 97x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x + 157$	7	24	2T1	7	-1	8
$x^{14} + 14x^{13} - 98x^{12} - 119x^{11} + 168x^{10} - 119x^9 + 147x^8 + 146x^7 - 42x^6 - 168x^5 - 168x^4 - 49x^3 - 112x^2 - 56x + 59$	7	24	2T1	7	-1	8
$x^{14} + 49x^6 + 98$	7	24	2T1, 7T3	2	-1	5
$x^{14} + 70x^{13} + 140x^{12} + 49x^{11} + 161x^{10} - 42x^9 - 49x^8 + 111x^7 - 35x^6 - 42x^5 + 35x^4 + 119x^3 - 63x^2 + 28x + 94$	7	24	2T1	1	1	23
$x^{14} + 98x^6 + 49$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 - 22x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x + 80$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 + 27x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x - 18$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 + 76x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x - 116$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 + 125x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x + 129$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 - 169x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x + 31$	7	24	2T1, 7T1	14	-1	1

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 126x^{13} - 14x^{12} + 168x^{11} - 91x^{10} - 63x^9 + 49x^8 - 120x^7 + 21x^6 + 133x^5 + 140x^4 + 42x^3 + 35x^2 - 133x - 67$	7	24	2T1, 7T1	14	-1	1
$x^{14} + 70x^7 + 49$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 48x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 25$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 97x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 123$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 146x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 122$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 148x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 24$	7	26	2T1	1	-1	24
$x^{14} + 98x^7 + 98$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 50x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 171$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 97x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 24$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 146x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 74$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 148x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 171$	7	26	2T1	1	-1	24
$x^{14} + 35x^7 + 98$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 50x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 25$	7	26	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 21x^7 + 49$	7	26	2T1	1	-1	24
$x^{14} + 49x^8 + 98$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 49x^7 + 98$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 50x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 122$	7	26	2T1	1	-1	24
$x^{14} + 28x^7 + 49$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 48x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 74$	7	26	2T1	1	-1	24
$x^{14} + 49x^8 + 49$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 77x^7 + 49$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 48x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 73$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 97x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 25$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 48x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x - 123$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 97x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 122$	7	26	2T1	1	-1	24
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 + 146x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 24$	7	26	2T1	1	-1	24
$x^{14} + 98x^8 + 98$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 42x^{13} + 91x^{12} + 84x^{11} - 49x^{10} + 35x^9 + 168x^8 - 148x^7 + 112x^6 - 77x^5 - 49x^4 - 56x^3 + 63x^2 - 105x + 73$	7	26	2T1	1	-1	24
$x^{14} + 14x^7 + 98$	7	26	2T1, 7T4	2	-1	7
$x^{14} + 7x + 14$	14	8	2T1	1	-1	32
$x^{14} + 7x + 28$	14	8	2T1	1	-1	32
$x^{14} + 7x + 7$	14	8	2T1	1	-1	32

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 7x + 21$	14	8	2T1	1	-1	32
$x^{14} + 7x + 42$	14	8	2T1	1	-1	32
$x^{14} + 7x + 35$	14	8	2T1	1	-1	32
$x^{14} + 14x^2 + 7$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 28x^2 + 7$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 42x^2 + 7$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 7x^2 + 7$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 21x^2 + 7$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 35x^2 + 7$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 42x^2 + 21$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 35x^2 + 21$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 28x^2 + 21$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 21x^2 + 21$	14	9	2T1, 7T4	2	-1	4
$x^{14} + 14x^2 + 21$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 7x^2 + 21$	14	9	2T1, 7T4	2	-1	7
$x^{14} + 7x^3 + 28$	14	10	2T1	1	-1	32
$x^{14} + 7x^3 + 14$	14	10	2T1	1	-1	20
$x^{14} + 7x^3 + 7$	14	10	2T1	1	-1	32
$x^{14} + 7x^3 + 21$	14	10	2T1	1	-1	32
$x^{14} + 7x^3 + 35$	14	10	2T1	1	-1	20
$x^{14} + 7x^3 + 42$	14	10	2T1	1	-1	32
$x^{14} + 7x^4 + 14$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 7x^4 + 28$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 21x^4 + 14$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 7x^4 + 7$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 21x^4 + 7$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 21x^4 + 28$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 21x^4 + 42$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 21x^4 + 35$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 7x^4 + 35$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 21x^4 + 21$	14	11	2T1, 7T3	2	-1	5
$x^{14} + 7x^4 + 42$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 7x^4 + 21$	14	11	2T1, 7T4	2	-1	7
$x^{14} + 14x^5 + 7$	14	12	2T1	1	-1	32
$x^{14} + 21x^5 + 7$	14	12	2T1	1	-1	32
$x^{14} + 7x^5 + 7$	14	12	2T1	1	-1	32
$x^{14} + 7x^5 + 21$	14	12	2T1	1	-1	32
$x^{14} + 14x^5 + 21$	14	12	2T1	1	-1	32
$x^{14} + 21x^5 + 21$	14	12	2T1	1	-1	32
$x^{14} + 7x^6 + 28$	14	13	2T1, 7T2	2	-1	3
$x^{14} + 7x^6 + 14$	14	13	2T1, 7T4	2	-1	7
$x^{14} + 21x^6 + 28$	14	13	2T1, 7T4	2	-1	4

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 7x^6 + 7$	14	13	2T1, 7T4	2	-1	7
$x^{14} + 21x^6 + 7$	14	13	2T1, 7T4	2	-1	4
$x^{14} + 21x^6 + 14$	14	13	2T1, 7T2	14	-1	2
$x^{14} - 91x^{12} - 14x^7 + 84x^6 + 56$	14	13	2T1	7	-1	8
$x^{14} - 91x^{12} - 28x^7 + 84x^6 - 140$	14	13	2T1	7	-1	8
$x^{14} - 91x^{12} - 42x^7 + 84x^6 + 105$	14	13	2T1	7	-1	8
$x^{14} + 21x^6 + 35$	14	13	2T1, 7T2	2	-1	3
$x^{14} + 21x^6 + 42$	14	13	2T1, 7T4	2	-1	7
$x^{14} + 7x^6 + 42$	14	13	2T1, 7T4	2	-1	4
$x^{14} + 21x^6 + 21$	14	13	2T1, 7T4	2	-1	7
$x^{14} + 7x^6 + 35$	14	13	2T1, 7T4	2	-1	4
$x^{14} + 7x^6 + 21$	14	13	2T1, 7T2	14	-1	2
$x^{14} - 77x^{12} - 91x^7 - 140x^6 - 28$	14	13	2T1	7	-1	8
$x^{14} - 77x^{12} + 161x^7 - 140x^6 - 77$	14	13	2T1	7	-1	8
$x^{14} - 77x^{12} + 70x^7 - 140x^6 + 70$	14	13	2T1	7	-1	8
$x^{14} + 35x^8 + 7$	14	15	2T1, 7T4	2	-1	7
$x^{14} - 14x^8 - 14x^7 + 49x^2 + 98x + 56$	14	15	2T1	1	-1	24
$x^{14} - 14x^8 - 28x^7 + 49x^2 - 147x - 140$	14	15	2T1	1	-1	24
$x^{14} - 14x^8 - 42x^7 + 49x^2 - 49x + 105$	14	15	2T1	1	-1	24
$x^{14} + 21x^8 + 7$	14	15	2T1, 7T4	2	-1	7
$x^{14} - 28x^8 - 14x^7 - 147x^2 - 147x + 56$	14	15	2T1	1	-1	24
$x^{14} - 28x^8 - 28x^7 - 147x^2 + 49x - 140$	14	15	2T1	1	-1	24
$x^{14} - 28x^8 - 42x^7 - 147x^2 - 98x + 105$	14	15	2T1	1	-1	24
$x^{14} + 7x^8 + 7$	14	15	2T1, 7T3	2	-1	5
$x^{14} - 42x^8 - 14x^7 + 98x^2 - 49x + 56$	14	15	2T1	1	-1	14
$x^{14} - 42x^8 - 28x^7 + 98x^2 - 98x - 140$	14	15	2T1	1	-1	14
$x^{14} - 42x^8 - 42x^7 + 98x^2 - 147x + 105$	14	15	2T1	1	-1	14
$x^{14} + 42x^8 + 7$	14	15	2T1, 7T4	2	-1	7
$x^{14} - 56x^8 - 14x^7 + 98x^2 + 49x + 56$	14	15	2T1	1	-1	24
$x^{14} - 56x^8 - 28x^7 + 98x^2 + 98x - 140$	14	15	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 56x^8 - 42x^7 + 98x^2 + 147x + 105$	14	15	2T1	1	-1	24
$x^{14} + 28x^8 + 7$	14	15	2T1, 7T3	2	-1	5
$x^{14} - 70x^8 - 14x^7 - 147x^2 + 147x + 56$	14	15	2T1	1	-1	14
$x^{14} - 70x^8 - 28x^7 - 147x^2 - 49x - 140$	14	15	2T1	1	-1	14
$x^{14} - 70x^8 - 42x^7 - 147x^2 + 98x + 105$	14	15	2T1	1	-1	14
$x^{14} + 3x^7 + 18$	14	15	2T1, 7T3	2	-1	5
$x^{14} + x^7 + 2$	14	15	2T1	1	-1	14
$x^{14} + x^7 + 44$	14	15	2T1	1	-1	14
$x^{14} + 2x^7 + 8$	14	15	2T1	1	-1	14
$x^{14} + 7x^8 + 21$	14	15	2T1, 7T4	2	-1	7
$x^{14} - 91x^8 - 91x^7 + 98x^2 - 147x - 28$	14	15	2T1	1	-1	24
$x^{14} - 91x^8 + 161x^7 + 98x^2 + 49x - 77$	14	15	2T1	1	-1	24
$x^{14} - 91x^8 + 70x^7 + 98x^2 - 98x + 70$	14	15	2T1	1	-1	24
$x^{14} + x^7 + 30$	14	15	2T1, 7T4	2	-1	7
$x^{14} + x^7 + 9$	14	15	2T1	1	-1	24
$x^{14} + 2x^7 + 43$	14	15	2T1	1	-1	24
$x^{14} + 2x^7 + 22$	14	15	2T1	1	-1	24
$x^{14} + 21x^8 + 21$	14	15	2T1, 7T3	2	-1	5
$x^{14} + 70x^8 - 91x^7 - 147x^2 - 98x - 28$	14	15	2T1	1	-1	14
$x^{14} + 70x^8 + 161x^7 - 147x^2 + 147x - 77$	14	15	2T1	1	-1	14
$x^{14} + 70x^8 + 70x^7 - 147x^2 + 49x + 70$	14	15	2T1	1	-1	14
$x^{14} + 28x^8 + 21$	14	15	2T1, 7T4	2	-1	7
$x^{14} - 21x^8 - 91x^7 - 147x^2 + 98x - 28$	14	15	2T1	1	-1	24
$x^{14} - 21x^8 + 161x^7 - 147x^2 - 147x - 77$	14	15	2T1	1	-1	24
$x^{14} - 21x^8 + 70x^7 - 147x^2 - 49x + 70$	14	15	2T1	1	-1	24
$x^{14} + 35x^8 + 21$	14	15	2T1, 7T3	2	-1	5
$x^{14} - 112x^8 - 91x^7 + 49x^2 - 49x - 28$	14	15	2T1	1	-1	14

Defining Polynomial	<i>e</i>	<i>c</i>	Subfields	C.O.	Parity	<i>G</i>
$x^{14} - 112x^8 + 161x^7 + 49x^2 - 98x - 77$	14	15	2T1	1	-1	14
$x^{14} - 112x^8 + 70x^7 + 49x^2 - 147x + 70$	14	15	2T1	1	-1	14
$x^{14} + 42x^8 + 21$	14	15	2T1, 7T3	2	-1	5
$x^{14} + 140x^8 - 91x^7 + 98x^2 + 147x - 28$	14	15	2T1	1	-1	14
$x^{14} + 140x^8 + 161x^7 + 98x^2 - 49x - 77$	14	15	2T1	1	-1	14
$x^{14} + 140x^8 + 70x^7 + 98x^2 + 98x + 70$	14	15	2T1	1	-1	14
$x^{14} + 7x^9 + 28$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 14x^7 + 49x^4 + 98x^2 + 56$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 28x^7 + 49x^4 - 147x^2 - 140$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 42x^7 + 49x^4 - 49x^2 + 105$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 56x^7 + 49x^4 + 49x^2 + 105$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 70x^7 + 49x^4 + 147x^2 - 140$	14	16	2T1	1	-1	32
$x^{14} - 14x^9 - 84x^7 + 49x^4 - 98x^2 + 56$	14	16	2T1	1	-1	32
$x^{14} + 7x^9 + 14$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 14x^7 - 147x^4 - 147x^2 + 56$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 28x^7 - 147x^4 + 49x^2 - 140$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 42x^7 - 147x^4 - 98x^2 + 105$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 56x^7 - 147x^4 + 98x^2 + 105$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 70x^7 - 147x^4 - 49x^2 - 140$	14	16	2T1	1	-1	32
$x^{14} - 28x^9 - 84x^7 - 147x^4 + 147x^2 + 56$	14	16	2T1	1	-1	32
$x^{14} + 7x^9 + 7$	14	16	2T1	1	-1	20
$x^{14} - 42x^9 - 14x^7 + 98x^4 - 49x^2 + 56$	14	16	2T1	1	-1	20
$x^{14} - 42x^9 - 28x^7 + 98x^4 - 98x^2 - 140$	14	16	2T1	1	-1	20

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 42x^9 - 42x^7 + 98x^4 - 147x^2 + 105$	14	16	2T1	1	-1	20
$x^{14} - 42x^9 - 56x^7 + 98x^4 + 147x^2 + 105$	14	16	2T1	1	-1	20
$x^{14} - 42x^9 - 70x^7 + 98x^4 + 98x^2 - 140$	14	16	2T1	1	-1	20
$x^{14} - 42x^9 - 84x^7 + 98x^4 + 49x^2 + 56$	14	16	2T1	1	-1	20
$x^{14} + 7x^9 + 21$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 - 91x^7 + 98x^4 - 147x^2 - 28$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 + 161x^7 + 98x^4 + 49x^2 - 77$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 + 70x^7 + 98x^4 - 98x^2 + 70$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 - 21x^7 + 98x^4 + 98x^2 + 70$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 - 112x^7 + 98x^4 - 49x^2 - 77$	14	16	2T1	1	-1	32
$x^{14} - 91x^9 + 140x^7 + 98x^4 + 147x^2 - 28$	14	16	2T1	1	-1	32
$x^{14} + 7x^9 + 35$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 - 91x^7 + 49x^4 + 49x^2 - 28$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 + 161x^7 + 49x^4 + 98x^2 - 77$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 + 70x^7 + 49x^4 + 147x^2 + 70$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 - 21x^7 + 49x^4 - 147x^2 + 70$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 - 112x^7 + 49x^4 - 98x^2 - 77$	14	16	2T1	1	-1	32
$x^{14} + 161x^9 + 140x^7 + 49x^4 - 49x^2 - 28$	14	16	2T1	1	-1	32
$x^{14} + 7x^9 + 42$	14	16	2T1	1	-1	20
$x^{14} + 70x^9 - 91x^7 - 147x^4 - 98x^2 - 28$	14	16	2T1	1	-1	20
$x^{14} + 70x^9 + 161x^7 - 147x^4 + 147x^2 - 77$	14	16	2T1	1	-1	20
$x^{14} + 70x^9 + 70x^7 - 147x^4 + 49x^2 + 70$	14	16	2T1	1	-1	20
$x^{14} + 70x^9 - 21x^7 - 147x^4 - 49x^2 + 70$	14	16	2T1	1	-1	20

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 70x^9 - 112x^7 - 147x^4 - 147x^2 - 77$	14	16	2T1	1	-1	20
$x^{14} + 70x^9 + 140x^7 - 147x^4 + 98x^2 - 28$	14	16	2T1	1	-1	20
$x^{14} + 21x^{10} + 28$	14	17	2T1, 7T4	2	-1	4
$x^{14} - 14x^{10} - 14x^7 + 49x^6 + 98x^3 + 56$	14	17	2T1	1	-1	14
$x^{14} - 14x^{10} - 28x^7 + 49x^6 - 147x^3 - 140$	14	17	2T1	1	-1	14
$x^{14} - 14x^{10} - 42x^7 + 49x^6 - 49x^3 + 105$	14	17	2T1	1	-1	14
$x^{14} + 21x^{10} + 7$	14	17	2T1, 7T4	2	-1	4
$x^{14} - 28x^{10} - 14x^7 - 147x^6 - 147x^3 + 56$	14	17	2T1	1	-1	14
$x^{14} - 28x^{10} - 28x^7 - 147x^6 + 49x^3 - 140$	14	17	2T1	1	-1	14
$x^{14} - 28x^{10} - 42x^7 - 147x^6 - 98x^3 + 105$	14	17	2T1	1	-1	14
$x^{14} + 7x^{10} + 7$	14	17	2T1, 7T4	2	-1	7
$x^{14} - 42x^{10} - 14x^7 + 98x^6 - 49x^3 + 56$	14	17	2T1	1	-1	24
$x^{14} - 42x^{10} - 28x^7 + 98x^6 - 98x^3 - 140$	14	17	2T1	1	-1	24
$x^{14} - 42x^{10} - 42x^7 + 98x^6 - 147x^3 + 105$	14	17	2T1	1	-1	24
$x^{14} + 21x^{10} + 14$	14	17	2T1, 7T4	2	-1	4
$x^{14} - 56x^{10} - 14x^7 + 98x^6 + 49x^3 + 56$	14	17	2T1	1	-1	14
$x^{14} - 56x^{10} - 28x^7 + 98x^6 + 98x^3 - 140$	14	17	2T1	1	-1	14
$x^{14} - 56x^{10} - 42x^7 + 98x^6 + 147x^3 + 105$	14	17	2T1	1	-1	14
$x^{14} + 7x^{10} + 28$	14	17	2T1, 7T4	2	-1	7
$x^{14} - 70x^{10} - 14x^7 - 147x^6 + 147x^3 + 56$	14	17	2T1	1	-1	24
$x^{14} - 70x^{10} - 28x^7 - 147x^6 - 49x^3 - 140$	14	17	2T1	1	-1	24
$x^{14} - 70x^{10} - 42x^7 - 147x^6 + 98x^3 + 105$	14	17	2T1	1	-1	24
$x^{14} + 7x^{10} + 14$	14	17	2T1, 7T4	2	-1	7
$x^{14} - 84x^{10} - 14x^7 + 49x^6 - 98x^3 + 56$	14	17	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 84x^{10} - 28x^7 + 49x^6 + 147x^3 - 140$	14	17	2T1	1	-1	24
$x^{14} - 84x^{10} - 42x^7 + 49x^6 + 49x^3 + 105$	14	17	2T1	1	-1	24
$x^{14} + 7x^{10} + 21$	14	17	2T1, 7T4	2	-1	4
$x^{14} - 91x^{10} - 91x^7 + 98x^6 - 147x^3 - 28$	14	17	2T1	1	-1	14
$x^{14} - 91x^{10} + 161x^7 + 98x^6 + 49x^3 - 77$	14	17	2T1	1	-1	14
$x^{14} - 91x^{10} + 70x^7 + 98x^6 - 98x^3 + 70$	14	17	2T1	1	-1	14
$x^{14} + 7x^{10} + 42$	14	17	2T1, 7T4	2	-1	4
$x^{14} + 161x^{10} - 91x^7 + 49x^6 + 49x^3 - 28$	14	17	2T1	1	-1	14
$x^{14} + 161x^{10} + 161x^7 + 49x^6 + 98x^3 - 77$	14	17	2T1	1	-1	14
$x^{14} + 161x^{10} + 70x^7 + 49x^6 + 147x^3 + 70$	14	17	2T1	1	-1	14
$x^{14} + 21x^{10} + 21$	14	17	2T1, 7T4	2	-1	7
$x^{14} + 70x^{10} - 91x^7 - 147x^6 - 98x^3 - 28$	14	17	2T1	1	-1	24
$x^{14} + 70x^{10} + 161x^7 - 147x^6 + 147x^3 - 77$	14	17	2T1	1	-1	24
$x^{14} + 70x^{10} + 70x^7 - 147x^6 + 49x^3 + 70$	14	17	2T1	1	-1	24
$x^{14} + 7x^{10} + 35$	14	17	2T1, 7T4	2	-1	4
$x^{14} - 21x^{10} - 91x^7 - 147x^6 + 98x^3 - 28$	14	17	2T1	1	-1	14
$x^{14} - 21x^{10} + 161x^7 - 147x^6 - 147x^3 - 77$	14	17	2T1	1	-1	14
$x^{14} - 21x^{10} + 70x^7 - 147x^6 - 49x^3 + 70$	14	17	2T1	1	-1	14
$x^{14} + 21x^{10} + 35$	14	17	2T1, 7T4	2	-1	7
$x^{14} - 112x^{10} - 91x^7 + 49x^6 - 49x^3 - 28$	14	17	2T1	1	-1	24
$x^{14} - 112x^{10} + 161x^7 + 49x^6 - 98x^3 - 77$	14	17	2T1	1	-1	24
$x^{14} - 112x^{10} + 70x^7 + 49x^6 - 147x^3 + 70$	14	17	2T1	1	-1	24
$x^{14} + 21x^{10} + 42$	14	17	2T1, 7T4	2	-1	7
$x^{14} + 140x^{10} - 91x^7 + 98x^6 + 147x^3 - 28$	14	17	2T1	1	-1	24

Defining Polynomial	<i>e</i>	<i>c</i>	Subfields	C.O.	Parity	<i>G</i>
$x^{14} + 140x^{10} + 161x^7 + 98x^6 - 49x^3 - 77$	14	17	2T1	1	-1	24
$x^{14} + 140x^{10} + 70x^7 + 98x^6 + 98x^3 + 70$	14	17	2T1	1	-1	24
$x^{14} + 14x^{11} + 7$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 14x^7 + 98x^4 + 56$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 28x^7 - 147x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 42x^7 - 49x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 56x^7 + 49x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 70x^7 + 147x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 14x^{11} + 49x^8 - 84x^7 - 98x^4 + 56$	14	18	2T1	1	-1	32
$x^{14} + 21x^{11} + 7$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 14x^7 - 147x^4 + 56$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 28x^7 + 49x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 42x^7 - 98x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 56x^7 + 98x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 70x^7 - 49x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 28x^{11} - 147x^8 - 84x^7 + 147x^4 + 56$	14	18	2T1	1	-1	32
$x^{14} + 7x^{11} + 7$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 14x^7 - 49x^4 + 56$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 28x^7 - 98x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 42x^7 - 147x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 56x^7 + 147x^4 + 105$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 70x^7 + 98x^4 - 140$	14	18	2T1	1	-1	32
$x^{14} - 42x^{11} + 98x^8 - 84x^7 + 49x^4 + 56$	14	18	2T1	1	-1	32

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 7x^{11} + 21$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 - 91x^7 - 147x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 + 161x^7 + 49x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 + 70x^7 - 98x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 - 21x^7 + 98x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 - 112x^7 - 49x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} - 91x^{11} + 98x^8 + 140x^7 + 147x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} + 14x^{11} + 21$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 - 91x^7 + 49x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 + 161x^7 + 98x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 + 70x^7 + 147x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 - 21x^7 - 147x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 - 112x^7 - 98x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} + 161x^{11} + 49x^8 + 140x^7 - 49x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} + 21x^{11} + 21$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 - 91x^7 - 98x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 + 161x^7 + 147x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 + 70x^7 + 49x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 - 21x^7 - 49x^4 + 70$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 - 112x^7 - 147x^4 - 77$	14	18	2T1	1	-1	32
$x^{14} + 70x^{11} - 147x^8 + 140x^7 + 98x^4 - 28$	14	18	2T1	1	-1	32
$x^{14} + 21x^{12} + 14$	14	19	2T1, 7T3	2	-1	5
$x^{14} - 14x^{12} + 49x^{10} - 14x^7 + 98x^5 + 56$	14	19	2T1	1	-1	14

Defining Polynomial	<i>e</i>	<i>c</i>	Subfields	C.O.	Parity	<i>G</i>
$x^{14} - 14x^{12} + 49x^{10} - 28x^7 - 147x^5 - 140$	14	19	2T1	1	-1	14
$x^{14} - 14x^{12} + 49x^{10} - 42x^7 - 49x^5 + 105$	14	19	2T1	1	-1	14
$x^{14} + 21x^{12} + 7$	14	19	2T1, 7T3	2	-1	5
$x^{14} - 28x^{12} - 147x^{10} - 14x^7 - 147x^5 + 56$	14	19	2T1	1	-1	14
$x^{14} - 28x^{12} - 147x^{10} - 28x^7 + 49x^5 - 140$	14	19	2T1	1	-1	14
$x^{14} - 28x^{12} - 147x^{10} - 42x^7 - 98x^5 + 105$	14	19	2T1	1	-1	14
$x^{14} + 7x^{12} + 7$	14	19	2T1, 7T2	2	-1	3
$x^{14} - 42x^{12} + 98x^{10} - 14x^7 - 49x^5 + 56$	14	19	2T1	1	-1	13
$x^{14} - 42x^{12} + 98x^{10} - 28x^7 - 98x^5 - 140$	14	19	2T1	1	-1	13
$x^{14} - 42x^{12} + 98x^{10} - 42x^7 - 147x^5 + 105$	14	19	2T1	1	-1	13
$x^{14} + 42x^{12} + 7$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 21x^{12} + 77$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 21x^{12} + 28$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 42x^{12} + 56$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 56x^{12} + 98x^{10} - 42$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 56x^{12} + 98x^{10} - 140$	14	19	2T1, 7T1	14	-1	1
$x^{14} + 35x^{12} + 63$	14	19	2T1, 7T1	14	-1	1
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 + 56$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 - 42$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 - 140$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 + 105$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 + 7$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 - 91$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 14x^7 + 49x^5 + 154$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 - 140$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 + 105$	14	19	2T1	7	-1	8

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 + 7$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 - 91$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 + 154$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 + 56$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 28x^7 + 98x^5 - 42$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 + 105$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 + 7$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 - 91$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 + 154$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 + 56$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 - 42$	14	19	2T1	7	-1	8
$x^{14} - 56x^{12} + 98x^{10} - 42x^7 + 147x^5 - 140$	14	19	2T1	7	-1	8
$x^{14} + 7x^{12} + 14$	14	19	2T1, 7T4	2	-1	7
$x^{14} - 70x^{12} - 147x^{10} - 14x^7 + 147x^5 + 56$	14	19	2T1	1	-1	24
$x^{14} - 70x^{12} - 147x^{10} - 28x^7 - 49x^5 - 140$	14	19	2T1	1	-1	24
$x^{14} - 70x^{12} - 147x^{10} - 42x^7 + 98x^5 + 105$	14	19	2T1	1	-1	24
$x^{14} + 7x^{12} + 28$	14	19	2T1, 7T4	2	-1	7
$x^{14} - 84x^{12} + 49x^{10} - 14x^7 - 98x^5 + 56$	14	19	2T1	1	-1	24
$x^{14} - 84x^{12} + 49x^{10} - 28x^7 + 147x^5 - 140$	14	19	2T1	1	-1	24
$x^{14} + 14x^{13} + 7$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 14$	14	20	2T1	1	-1	32
$x^{14} + 21x^{13} + 28$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 56$	14	20	2T1	1	-1	32
$x^{14} - 14x^{13} + 49x^{12} - 42$	14	20	2T1	1	-1	32
$x^{14} - 14x^{13} + 49x^{12} - 140$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 63$	14	20	2T1	1	-1	32

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 21x^{13} + 7$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 77$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 28$	14	20	2T1	1	-1	32
$x^{14} + 21x^{13} + 56$	14	20	2T1	1	-1	32
$x^{14} - 28x^{13} - 147x^{12} - 42$	14	20	2T1	1	-1	32
$x^{14} - 28x^{13} - 147x^{12} - 140$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 63$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 7$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 77$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 28$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 56$	14	20	2T1	1	-1	32
$x^{14} - 42x^{13} + 98x^{12} - 42$	14	20	2T1	1	-1	32
$x^{14} - 42x^{13} + 98x^{12} - 140$	14	20	2T1	1	-1	32
$x^{14} + 21x^{13} + 63$	14	20	2T1	1	-1	32
$x^{14} - 91x^{13} + 98x^{12} - 126$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 21$	14	20	2T1	1	-1	32
$x^{14} - 91x^{13} + 98x^{12} + 168$	14	20	2T1	1	-1	32
$x^{14} - 91x^{13} + 98x^{12} - 28$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 84$	14	20	2T1	1	-1	32
$x^{14} + 21x^{13} + 91$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 70$	14	20	2T1	1	-1	32
$x^{14} + 161x^{13} + 49x^{12} - 126$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 21$	14	20	2T1	1	-1	32
$x^{14} + 161x^{13} + 49x^{12} + 168$	14	20	2T1	1	-1	32
$x^{14} + 161x^{13} + 49x^{12} - 28$	14	20	2T1	1	-1	32
$x^{14} + 21x^{13} + 84$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 91$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 42$	14	20	2T1	1	-1	32
$x^{14} + 70x^{13} - 147x^{12} - 126$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 35$	14	20	2T1	1	-1	32
$x^{14} + 70x^{13} - 147x^{12} + 168$	14	20	2T1	1	-1	32
$x^{14} + 70x^{13} - 147x^{12} - 28$	14	20	2T1	1	-1	32
$x^{14} + 7x^{13} + 84$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 91$	14	20	2T1	1	-1	32
$x^{14} + 14x^{13} + 42$	14	20	2T1	1	-1	32
$x^{14} + 98x^2 + 14$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 98x^2 + 28$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 49x^2 + 63$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 49x^2 + 7$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 49x^2 + 14$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 49x^2 + 28$	14	21	2T1, 7T4	2	-1	4
$x^{14} + 49x^2 + 56$	14	21	2T1, 7T4	2	-1	4

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 98x + 56$	14	21	2T1	1	-1	14
$x^{14} - 14x^7 - 42$	14	21	2T1	1	-1	14
$x^{14} - 14x^7 - 140$	14	21	2T1	1	-1	14
$x^{14} + 49x + 63$	14	21	2T1	1	-1	14
$x^{14} + 98x + 7$	14	21	2T1	1	-1	14
$x^{14} + 49x + 14$	14	21	2T1	1	-1	14
$x^{14} + 21x^7 + 28$	14	21	2T1	1	-1	14
$x^{14} - 28x^7 - 140$	14	21	2T1	1	-1	14
$x^{14} + 98x + 63$	14	21	2T1	1	-1	14
$x^{14} + 21x^7 + 7$	14	21	2T1	1	-1	14
$x^{14} + 49x + 77$	14	21	2T1	1	-1	14
$x^{14} + 49x + 28$	14	21	2T1	1	-1	14
$x^{14} + 21x^7 + 56$	14	21	2T1	1	-1	14
$x^{14} - 28x^7 - 42$	14	21	2T1	1	-1	14
$x^{14} + 21x^7 + 63$	14	21	2T1	1	-1	14
$x^{14} + 49x + 7$	14	21	2T1	1	-1	14
$x^{14} + 98x + 77$	14	21	2T1	1	-1	14
$x^{14} + 98x + 28$	14	21	2T1	1	-1	14
$x^{14} + 49x + 56$	14	21	2T1	1	-1	14
$x^{14} + 7x^7 + 98$	14	21	2T1	1	-1	14
$x^{14} - 42x^7 - 140$	14	21	2T1	1	-1	14
$x^{14} + 49x^2 + 42$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 98x^2 + 42$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 49x^2 + 21$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 98x^2 + 21$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 49x^3 + 84$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 49x^2 + 84$	14	21	2T1, 7T4	2	-1	7
$x^{14} + 49x^2 + 91$	14	21	2T1, 7T4	2	-1	7
$x^{14} - 91x^7 - 28$	14	21	2T1	1	-1	24
$x^{14} + 98x + 84$	14	21	2T1	1	-1	24
$x^{14} + 21x^7 + 91$	14	21	2T1	1	-1	24
$x^{14} + 49x + 70$	14	21	2T1	1	-1	24
$x^{14} - 91x^7 - 126$	14	21	2T1	1	-1	24
$x^{14} + 49x + 21$	14	21	2T1	1	-1	24
$x^{14} - 91x^7 + 168$	14	21	2T1	1	-1	24
$x^{14} + 49x + 91$	14	21	2T1	1	-1	24
$x^{14} + 49x + 42$	14	21	2T1	1	-1	24
$x^{14} + 63x^7 + 49$	14	21	2T1	1	-1	24
$x^{14} + 98x + 21$	14	21	2T1	1	-1	24
$x^{14} + 161x^7 + 168$	14	21	2T1	1	-1	24
$x^{14} + 161x^7 - 28$	14	21	2T1	1	-1	24
$x^{14} + 21x^7 + 84$	14	21	2T1	1	-1	24

Defining Polynomial	e	c	Subfields	C.O.	Parity	G
$x^{14} + 98x + 42$	14	21	2T1	1	-1	24
$x^{14} + 70x^7 - 126$	14	21	2T1	1	-1	24
$x^{14} + 49x + 35$	14	21	2T1	1	-1	24
$x^{14} + 70x^7 + 168$	14	21	2T1	1	-1	24
$x^{14} + 70x^7 - 28$	14	21	2T1	1	-1	24
$x^{14} + 49x + 84$	14	21	2T1	1	-1	24
$x^{14} + 98x + 91$	14	21	2T1	1	-1	24
$x^{14} + x + 4$	1	0	2T1, 7T1	14	-1	1
$x^{14} + 49x^{12} + 1029x^{10} + 12017x^8 + 8x^7 + 82859x^6 - 1176x^5 + 352947x^4 + 13720x^3 + 881203x^2 - 19160x + 794999$	2	7	2T1, 7T1	14	-1	1
$x^{14} + 99x^{13} + 50x^{12} - 88x^{11} - 106x^{10} + 51x^9 - 6x^8 - 19x^7 + 85x^6 + 19x^5 + 90x^4 - 27x^3 + 60x^2 + 13x - 73$	2	7	2T1, 7T1	14	-1	1

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