Erratum

Primitive Elements in Finite Fields and Costas Arrays

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There is an error on pages 50–52 concerning Table 2. Here is the correct table:

Table 2

<i>q</i>	α	<i>q</i>	α	<i>q</i>	α	<i>q</i>	α	<i>q</i>	α
31	11	499	15	1871	14	3319	6	5431	3
43	18	523	5	1951	3	3331	10	5791	6
67	7	547	5	2011	26	3391	6	5851	17
71	7	571	10	2131	12	3499	23	6007	37
79	3	631	112	2143	10	3511	14	6091	112
103	5	691	44	2251	40	3571	10	6151	24
127	12	751	3	2311	3	3631	15	6211	35
131	6	811	10	2347	11	3691	31	6271	67
139	12	859	18	2371	10	3739	7	6451	15
151	6	911	37	2531	6	3823	19	6571	10
191	19	967	5	2551	6	3851	18	6691	10
199	3	991	6	2591	7	3907	5	6871	24
211	7	1051	7	2671	35	3931	31	6991	12
223	10	1123	20	2707	23	4111	17	7351	6
271	15	1171	18	2731	7	4159	3	7411	10
283	12	1231	3	2791	15	4231	3	7591	6
307	29	1291	10	2851	7	4243	7	8191	59
311	17	1303	31	2887	5	4327	3	8779	23
331	37	1327	10	2971	34	4591	11	8971	10
367	17	1471	6	3011	6	4651	10	9283	41
379	10	1483	5	3067	5	4831	3	9871	3
439	23	1531	14	3163	18	4951	6	10627	11
463	3	1723	38	3271	6	4999	54	10711	35
491	6	1831	60	3307	5	5011	12	11131	10

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Table 2 (continued)

q	α	q	α	q	α	q	α	q	α
11311	3	30091	29	52291	7	194371	17	402991	12
11551	106	30211	21	52711	70	198031	6	404671	11
11731	10	32191	15	53551	3	200971	7	410551	83
11971	75	32371	38	56911	3	210631	30	417691	26
12211	14	32971	23	57331	17	214831	19	426931	15
12391	26	33151	6	57751	67	214891	14	427351	85
13399	6	33331	47	58171	26	217771	7	432391	6
13567	3	33391	92	59011	12	219451	31	436171	12
14071	83	33811	47	60271	6	224071	6	450451	15
14323	7	33931	12	62791	14	227011	7	459691	15
14431	47	34171	7	63211	7	227371	18	460531	47
15331	7	34231	24	64891	63	229711	19	464311	48
15511	3	34651	7	65731	26	232051	10	467671	35
15991	12	35311	11	66571	7	242971	10	473971	46
16831	6	35491	7	67411	17	243391	3	474811	18
16927	61	35671	3	69931	10	251791	3	478171	10
17291	6	35911	12	70351	6	261031	14	483211	23
17431	3	36571	10	71191	12	264811	88	487831	6
17491	10	37171	12	72871	6	270271	39	490771	40
17851	42	37591	6	72931	44	274171	12	496231	12
18691	10	37831	3	73291	18	278071	21	497491	23
19471	11	37951	3	74131	22	281191	17	499591	3
19531	63	38011	12	74551	11	284131	31	501271	87
19867	5	38431	12	75391	3	285091	10	505051	18
19891	48	38611	10	76231	6	291271	24	506731	47
20011	18	38851	22	76651	10	296011	26	514711	142
20707	34	40111	3	77491	7	297991	6	516811	10
21211	10	40471	12	82531	18	305971	17	528991	3
21319	19	40531	17	83791	82	308491	155	532771	48
21391	21	40591	30	84211	7	310591	3	537811	15
22111	71	41611	17	84631	17	316471	6	545791	11
23011	31	41911	38	91771	23	317731	10	546631	19
23143	74	42331	7	102103	5	321091	10	547471	19
23311	60	42571	31	106591	11	322771	55	550831	3
23371	12	43051	12	108571	34	324871	3	551671	23
23431	19	43291	10	117811	18	330331	55	552091	10
23563	11	43711	69	128311	17	331171	35	553351	6
23971	14	43891	60	131671	22	332011	7	554611	15
24091	31	44071	6	138139	26	339151	48	560491	50
24151	6	44371	12	140071	30	346711	23	562591	63
24571	95	44851	39	149731	12	347131	62	565111	39
25411	7	46411	7	150151	6	348811	58	567631	24
27031	46	46831	6	153511	63	355111	3	576031	68
27091	7	47431	12	158731	23	358051	15	581491	38
27259	34	48091	7	161071	39	359311	12	586951	30
27691	18	48991	6	162691	44	367711	6	594091	34
27847	20	49171	17	164011	26	371071	53	594511	3
28051	15	49531	43	168631	26	371491	12	607531	40
28183	10	49831	15	171571	35	376531	55	619711	11
28711	3	50051	10	175891	7	381991	11	623071	11
28771	15	50311	3	186187	17	385771	31	625171	12
29191	12	51151	14	187531	7	387031	3	626011	55
29611	15	51511	6	188791	11	390391	11	641551	30
29671	17	51871	43	192271	3	395851	7	644491	39

Table 2 (continued)

q	α	q	α	q	α	q	α	q	α
647011	15	1272811	10	2437891	37	3131311	51	3873871	41
657931	59	1360591	3	2459731	12	3134671	70	3993991	6
658351	35	1411411	53	2478631	163	3164071	24	4081771	42
681451	15	1452991	46	2574391	35	3209431	6	4174171	15
699931	10	1504231	146	2631091	7	3245971	23	4408951	3
704551	14	1623931	35	2645371	7	3295111	43	4516051	15
707071	12	1647031	6	2661331	10	3327871	41	5135131	18
712531	26	1831831	11	2672671	6	3333331	10	13123111	19
778051	7	1967071	107	2677291	35	3365671	19	14804791	44
788971	15	2012011	58	2699971	10	3387931	50	16546531	15
796951	44	2081311	6	2738191	58	3404311	46	17160991	22
824671	51	2114971	21	2831011	15	3453451	10	18888871	164
870871	22	2181271	94	2866711	35	3550471	11	20030011	26
903211	55	2230411	39	2916691	10	3559711	11	21951931	63
930931	23	2238391	14	2940631	3	3693691	7	23393371	15
1138831	22	2323231	70	3038071	22	3730651	15		
1193011	79	2372371	101	3102331	50	3813811	26		
1231231	3	2381191	74	3109471	6	3818431	60		