

Suz (mod 11)

	blocks	defect	matrix
<i>G</i> :	1	1	11×10
	2	0	$143_1 = \chi_2, \varphi_2$
	3	0	$1001_1 = \chi_5, \varphi_5$
	4	0	$3432_1 = \chi_6, \varphi_6$
	5	0	$5005_1 = \chi_7, \varphi_7$
	$6 = \overline{5}$	0	$5005_2 = \chi_8, \varphi_8$
	7	0	$5940_1 = \chi_9, \varphi_9$
	8	0	$10725_1 = \chi_{10}, \varphi_{10}$
	9	0	$12012_1 = \chi_{11}, \varphi_{11}$
	10	0	$14300_1 = \chi_{12}, \varphi_{12}$
	11	0	$15015_1 = \chi_{13}, \varphi_{13}$
	12	0	$15015_2 = \chi_{14}, \varphi_{14}$
	13	0	$25025_1 = \chi_{17}, \varphi_{17}$
	14	0	$25025_2 = \chi_{18}, \varphi_{18}$
	$15 = \overline{14}$	0	$25025_3 = \chi_{19}, \varphi_{19}$
	16	0	$40040_1 = \chi_{20}, \varphi_{20}$
	17	0	$50050_1 = \chi_{21}, \varphi_{23}$
	$18 = \overline{17}$	0	$50050_2 = \chi_{22}, \varphi_{24}$
	19	0	$54054_1 = \chi_{23}, \varphi_{25}$
	20	0	$64064_1 = \chi_{24}, \varphi_{26}$
	21	0	$64350_1 = \chi_{25}, \varphi_{27}$
	22	0	$64350_2 = \chi_{26}, \varphi_{28}$
	23	0	$75075_1 = \chi_{28}, \varphi_{30}$
	24	0	$93555_1 = \chi_{31}, \varphi_{31}$
	25	0	$93555_2 = \chi_{32}, \varphi_{32}$
	26	0	$100100_1 = \chi_{33}, \varphi_{33}$
	27	0	$133056_1 = \chi_{34}, \varphi_{36}$
	28	0	$146432_1 = \chi_{35}, \varphi_{37}$
	29	0	$168960_1 = \chi_{37}, \varphi_{38}$
	30	0	$193050_1 = \chi_{39}, \varphi_{39}$
	31	0	$197120_1 = \chi_{40}, \varphi_{40}$
	32	0	$208494_1 = \chi_{41}, \varphi_{41}$
	33	0	$243243_1 = \chi_{42}, \varphi_{42}$
<i>2.G</i> :	34	0	$220_1 = \chi_{44}, \varphi_{43}$
	35	1	11×10
	36	0	$572_1 = \chi_{47}, \varphi_{46}$
	$37 = \overline{36}$	0	$572_2 = \chi_{48}, \varphi_{47}$
	38	0	$4928_1 = \chi_{49}, \varphi_{48}$
	39	0	$16016_1 = \chi_{50}, \varphi_{49}$
	$40 = \overline{39}$	0	$16016_2 = \chi_{51}, \varphi_{50}$

	blocks	defect	matrix
	41	0	$20020_1 = \chi_{52}, \varphi_{53}$
	42	0	$20020_2 = \chi_{53}, \varphi_{54}$
	43	0	$60060_1 = \chi_{58}, \varphi_{61}$
	44	0	$60060_2 = \chi_{59}, \varphi_{62}$
	45	0	$80080_1 = \chi_{64}, \varphi_{63}$
	46	0	$80080_2 = \chi_{65}, \varphi_{64}$
	47	0	$100100_2 = \chi_{66}, \varphi_{65}$
	48	0	$128128_1 = \chi_{68}, \varphi_{66}$
	49	0	$137280_1 = \chi_{69}, \varphi_{67}$
	50	0	$144144_1 = \chi_{70}, \varphi_{68}$
	51	0	$144144_2 = \chi_{71}, \varphi_{69}$
	52	0	$192192_1 = \chi_{72}, \varphi_{70}$
	53	0	$197120_2 = \chi_{73}, \varphi_{71}$
	54	0	$228800_1 = \chi_{74}, \varphi_{72}$
	55	0	$277200_1 = \chi_{75}, \varphi_{73}$
	56	0	$315392_1 = \chi_{76}, \varphi_{74}$
3.G :	57	0	$66_1 = \chi_{77}, \varphi_{75}$
	$58 = 57^*$		
	59	1	11×10
	$60 = 59^*$		
	61	0	$429_1 = \chi_{79}, \varphi_{77}$
	$62 = 61^*$		
	63	0	$1716_1 = \chi_{81}, \varphi_{79}$
	$64 = 63^*$		
	65	0	$2145_1 = \chi_{82}, \varphi_{80}$
	$66 = 65^*$		
	67	0	$3003_1 = \chi_{85}, \varphi_{83}$
	$68 = 67^*$		
	69	0	$4290_1 = \chi_{86}, \varphi_{84}$
	$70 = 69^*$		
	71	0	$21450_1 = \chi_{91}, \varphi_{89}$
	$72 = 71^*$		
	73	0	$23100_1 = \chi_{92}, \varphi_{90}$
	$74 = 73^*$		
	75	0	$24024_1 = \chi_{93}, \varphi_{91}$
	$76 = 75^*$		
	77	0	$27027_1 = \chi_{94}, \varphi_{92}$
	$78 = 77^*$		
	79	0	$30888_1 = \chi_{95}, \varphi_{93}$
	$80 = 79^*$		

	blocks	defect	matrix
	81 82 = 81*	0	$42900_1 = \chi_{96}, \varphi_{94}$
	83 84 = 83*	0	$51975_1 = \chi_{97}, \varphi_{95}$
	85 86 = 85*	0	$60060_3 = \chi_{98}, \varphi_{96}$
	87 88 = 87*	0	$64350_3 = \chi_{99}, \varphi_{97}$
	89 90 = 89*	0	$75075_2 = \chi_{100}, \varphi_{98}$
	91 92 = 91*	0	$75075_4 = \chi_{101}, \varphi_{99}$
	93 94 = 93*	0	$85800_1 = \chi_{102}, \varphi_{100}$
	95 96 = 95*	0	$104247_1 = \chi_{103}, \varphi_{101}$
	97 98 = 97*	0	$108108_1 = \chi_{104}, \varphi_{102}$
	99 100 = 99*	0	$133056_2 = \chi_{105}, \varphi_{103}$
	101 102 = 101*	0	$135135_1 = \chi_{106}, \varphi_{104}$
	103 104 = 103*	0	$160380_1 = \chi_{108}, \varphi_{106}$
	105 106 = 105*	0	$180180_1 = \chi_{109}, \varphi_{108}$
	107 108 = 107*	0	$193050_2 = \chi_{111}, \varphi_{109}$
	109 110 = 109*	0	$208494_2 = \chi_{112}, \varphi_{110}$
	111 112 = 111*	0	$225225_1 = \chi_{113}, \varphi_{111}$
6.G :	113 114 = 113*	1	11×10
	115 116 = 115*	0	$924_1 = \chi_{117}, \varphi_{114}$
	117 118 = 117*	0	$8580_1 = \chi_{120}, \varphi_{117}$
	119 120 = 119*	0	$11088_1 = \chi_{121}, \varphi_{118}$

	blocks	defect	matrix
	121 = $\overline{120}$	0	$11088_3 = \chi_{122}, \varphi_{119}$
	122 = 121*		
	123	0	$12012_2 = \chi_{123}, \varphi_{120}$
	124 = 123*		
	125	0	$12012_4 = \chi_{124}, \varphi_{121}$
	126 = 125*		
	127	0	$12012_6 = \chi_{125}, \varphi_{122}$
	128 = 127*		
	129	0	$23100_3 = \chi_{126}, \varphi_{123}$
	130 = 129*		
	131	0	$27456_1 = \chi_{127}, \varphi_{124}$
	132 = 131*		
	133	0	$27456_3 = \chi_{128}, \varphi_{125}$
	134 = 133*		
	135	0	$42900_3 = \chi_{131}, \varphi_{128}$
	136 = 135*		
	137	0	$77220_1 = \chi_{134}, \varphi_{131}$
	138 = 137*		
	139	0	$105600_1 = \chi_{135}, \varphi_{132}$
	140 = 139*		
	141	0	$144144_3 = \chi_{138}, \varphi_{135}$
	142 = 141*		
	143	0	$144144_5 = \chi_{139}, \varphi_{136}$
	144 = 143*		
	145	0	$171600_1 = \chi_{140}, \varphi_{137}$
	146 = 145*		
	147	0	$180180_3 = \chi_{141}, \varphi_{138}$
	148 = 147*		
	149	0	$300300_1 = \chi_{142}, \varphi_{139}$
	150 = 149*		

Block 1:	φ_1	φ_3	φ_4	φ_{15}	φ_{16}	φ_{21}	φ_{22}	φ_{29}	φ_{34}	φ_{35}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.
$364_1 = \chi_3$	.	1	.	.	.	.	.	.	.	.
$780_1 = \chi_4$	1	.	1	.	.	.	.	.	.	.
$15795_1 = \chi_{15}$	.	1	.	1	.	.	.	.	.	.
$18954_1 = \chi_{16}$	.	.	1	.	1	.	.	.	.	.
$66560_1 = \chi_{27}$	.	.	.	.	1	.	1	.	.	.
$79872_1 = \chi_{29}$	.	.	.	1	.	.	.	1	.	.
$88452_1 = \chi_{30}$	.	.	.	.	.	1	1	.	.	.
$163800_1 = \chi_{36}$	.	.	.	.	.	1	.	.	1	.
$189540_1 = \chi_{38}$	.	.	.	.	.	.	.	1	.	1
$248832_1 = \chi_{43}$	.	.	.	.	.	.	.	.	1	1

$$\begin{aligned}
\varphi_1 &= 1_1 & \varphi_{21} &= 40067_1 \\
\varphi_3 &= 364_1 & \varphi_{22} &= 48385_1 \\
\varphi_4 &= 779_1 & \varphi_{29} &= 64441_1 \\
\varphi_{15} &= 15431_1 & \varphi_{34} &= 123733_1 \\
\varphi_{16} &= 18175_1 & \varphi_{35} &= 125099_1
\end{aligned}$$

Block 35:	φ_{44}	φ_{45}	φ_{51}	φ_{52}	φ_{55}	φ_{56}	φ_{57}	φ_{58}	φ_{59}	φ_{60}
$364_2 = \chi_{45}$	1	.	.	.	.	.	.	.	.	.
$364_3 = \chi_{46}$	.	1	.	.	.	.	.	.	.	.
$35100_1 = \chi_{54}$	1	.	.	.	1	.	.	.	.	.
$35100_2 = \chi_{55}$	.	1	.	.	.	1	.	.	.	.
$35100_3 = \chi_{56}$	.	.	.	.	.	.	1	.	.	.
$35100_4 = \chi_{57}$	.	.	.	.	.	.	.	1	.	.
$61236_1 = \chi_{60}$	.	.	.	1	.	.	.	.	1	.
$61236_2 = \chi_{61}$	.	.	1	.	.	.	.	.	.	1
$79872_2 = \chi_{62}$	.	.	.	.	.	.	1	.	1	.
$79872_3 = \chi_{63}$	.	.	.	.	.	.	.	1	.	1
$102400_1 = \chi_{67}$	.	.	1	1	1	1	.	.	.	.

$$\begin{aligned}
\varphi_{44} &= 364_2 & \varphi_{56} &= 34736_2 \\
\varphi_{45} &= 364_3 & \varphi_{57} &= 35100_1 \\
\varphi_{51} &= 16464_1 & \varphi_{58} &= 35100_2 \\
\varphi_{52} &= 16464_2 & \varphi_{59} &= 44772_1 \\
\varphi_{55} &= 34736_1 & \varphi_{60} &= 44772_2
\end{aligned}$$

Blocks 59, 60:	φ_{76}	φ_{78}	φ_{81}	φ_{82}	φ_{85}	φ_{86}	φ_{87}	φ_{88}	φ_{105}	φ_{107}
$78_1 = \chi_{78}$	1	.	.	.	.	.	.	.	.	.
$1365_1 = \chi_{80}$	.	1	.	.	.	.	.	.	.	.
$2925_1 = \chi_{83}$	.	.	1	.	.	.	.	.	.	.
$2925_3 = \chi_{84}$	.	.	.	1	.	.	.	.	.	.
$5103_1 = \chi_{87}$	.	.	.	.	1	.	.	.	.	.
$5103_3 = \chi_{88}$	.	.	.	.	.	1	.	.	.	.
$6720_1 = \chi_{89}$	1	.	.	.	.	.	1	.	.	.
$18954_2 = \chi_{90}$	.	.	.	.	.	.	1	1	.	.
$139776_1 = \chi_{107}$	.	1	.	.	.	.	.	.	1	.
$189540_2 = \chi_{110}$	.	.	.	.	.	.	.	1	.	1
$331695_1 = \chi_{114}$	.	.	1	1	1	1	.	.	1	1

$$\begin{array}{ll}
\varphi_{76} &= 78_1 \\
\varphi_{78} &= 1365_1 \\
\varphi_{81} &= 2925_1 \\
\varphi_{82} &= 2925_3 \\
\varphi_{85} &= 5103_1 \\
\varphi_{86} &= 5103_3 \\
\varphi_{87} &= 6642_1 \\
\varphi_{88} &= 12312_1 \\
\varphi_{105} &= 138411_1 \\
\varphi_{107} &= 177228_1
\end{array}$$

Blocks 113, 114:	φ_{112}	φ_{113}	φ_{115}	φ_{116}	φ_{126}	φ_{127}	φ_{129}	φ_{130}	φ_{133}	φ_{134}
$12_1 = \chi_{115}$	1	.	.	.	.	.	.	.	.	.
$780_2 = \chi_{116}$	1	1	.	.	.	.	.	.	.	.
$4368_1 = \chi_{118}$	.	.	.	1	.	.	.	.	.	.
$4368_3 = \chi_{119}$	.	1	1	.	.	.	.	.	.	.
$35100_5 = \chi_{129}$	.	.	.	.	1	.	.	.	.	.
$35100_7 = \chi_{130}$	.	.	.	.	.	1	.	.	.	.
$61236_3 = \chi_{132}$	.	.	.	.	.	.	1	.	.	.
$61236_5 = \chi_{133}$	.	.	.	.	.	.	.	1	.	.
$112320_1 = \chi_{136}$	.	.	.	1	.	.	.	.	1	.
$139776_3 = \chi_{137}$	.	.	1	.	.	.	.	.	.	1
$436800_1 = \chi_{143}$	.	.	.	.	1	1	1	1	1	1

$$\begin{array}{ll}
\varphi_{112} &= 12_1 \\
\varphi_{113} &= 768_1 \\
\varphi_{115} &= 3600_1 \\
\varphi_{116} &= 4368_1 \\
\varphi_{126} &= 35100_3 \\
\varphi_{127} &= 35100_5 \\
\varphi_{129} &= 61236_1 \\
\varphi_{130} &= 61236_3 \\
\varphi_{133} &= 107952_1 \\
\varphi_{134} &= 136176_1
\end{array}$$