

# *Suz* (mod 13)

	blocks	defect	matrix
<i>G</i> :	1	1	$8 \times 6$
	2	0	$143_1 = \chi_2, \varphi_2$
	3	0	$364_1 = \chi_3, \varphi_3$
	4	0	$780_1 = \chi_4, \varphi_4$
	5	0	$1001_1 = \chi_5, \varphi_5$
	6	0	$3432_1 = \chi_6, \varphi_6$
	7	0	$5005_1 = \chi_7, \varphi_7$
	$8 = \overline{7}$	0	$5005_2 = \chi_8, \varphi_8$
	9	0	$10725_1 = \chi_{10}, \varphi_{10}$
	10	0	$12012_1 = \chi_{11}, \varphi_{11}$
	11	0	$14300_1 = \chi_{12}, \varphi_{12}$
	12	0	$15015_1 = \chi_{13}, \varphi_{13}$
	13	0	$15015_2 = \chi_{14}, \varphi_{14}$
	14	0	$15795_1 = \chi_{15}, \varphi_{15}$
	15	0	$18954_1 = \chi_{16}, \varphi_{16}$
	16	0	$25025_1 = \chi_{17}, \varphi_{17}$
	17	0	$25025_2 = \chi_{18}, \varphi_{18}$
	$18 = \overline{17}$	0	$25025_3 = \chi_{19}, \varphi_{19}$
	19	0	$40040_1 = \chi_{20}, \varphi_{20}$
	20	0	$50050_1 = \chi_{21}, \varphi_{21}$
	$21 = \overline{20}$	0	$50050_2 = \chi_{22}, \varphi_{22}$
	22	0	$54054_1 = \chi_{23}, \varphi_{23}$
	23	0	$64064_1 = \chi_{24}, \varphi_{25}$
	24	0	$64350_1 = \chi_{25}, \varphi_{26}$
	25	0	$64350_2 = \chi_{26}, \varphi_{27}$
	26	0	$66560_1 = \chi_{27}, \varphi_{28}$
	27	0	$75075_1 = \chi_{28}, \varphi_{29}$
	28	0	$79872_1 = \chi_{29}, \varphi_{31}$
	29	0	$88452_1 = \chi_{30}, \varphi_{32}$
	30	0	$100100_1 = \chi_{33}, \varphi_{34}$
	31	0	$146432_1 = \chi_{35}, \varphi_{35}$
	32	0	$163800_1 = \chi_{36}, \varphi_{36}$
	33	0	$189540_1 = \chi_{38}, \varphi_{37}$
	34	0	$193050_1 = \chi_{39}, \varphi_{39}$
	35	0	$208494_1 = \chi_{41}, \varphi_{40}$
	36	0	$243243_1 = \chi_{42}, \varphi_{41}$
<i>2.G</i> :	37	1	$8 \times 6$
	38	0	$364_2 = \chi_{45}, \varphi_{43}$
	$39 = \overline{38}$	0	$364_3 = \chi_{46}, \varphi_{44}$
	40	0	$572_1 = \chi_{47}, \varphi_{45}$

	blocks	defect	matrix
	41 = $\overline{40}$	0	572 <sub>2</sub> = $\chi_{48}, \varphi_{46}$
	42	0	16016 <sub>1</sub> = $\chi_{50}, \varphi_{48}$
	43 = $\overline{42}$	0	16016 <sub>2</sub> = $\chi_{51}, \varphi_{49}$
	44	0	20020 <sub>1</sub> = $\chi_{52}, \varphi_{50}$
	45	0	20020 <sub>2</sub> = $\chi_{53}, \varphi_{51}$
	46	0	35100 <sub>1</sub> = $\chi_{54}, \varphi_{52}$
	47 = $\overline{46}$	0	35100 <sub>2</sub> = $\chi_{55}, \varphi_{53}$
	48	0	35100 <sub>3</sub> = $\chi_{56}, \varphi_{54}$
	49	0	35100 <sub>4</sub> = $\chi_{57}, \varphi_{55}$
	50	0	60060 <sub>1</sub> = $\chi_{58}, \varphi_{56}$
	51	0	60060 <sub>2</sub> = $\chi_{59}, \varphi_{57}$
	52	0	79872 <sub>2</sub> = $\chi_{62}, \varphi_{59}$
	53	0	79872 <sub>3</sub> = $\chi_{63}, \varphi_{60}$
	54	0	80080 <sub>1</sub> = $\chi_{64}, \varphi_{61}$
	55	0	80080 <sub>2</sub> = $\chi_{65}, \varphi_{62}$
	56	0	100100 <sub>2</sub> = $\chi_{66}, \varphi_{64}$
	57	0	128128 <sub>1</sub> = $\chi_{68}, \varphi_{65}$
	58	0	137280 <sub>1</sub> = $\chi_{69}, \varphi_{67}$
	59	0	144144 <sub>1</sub> = $\chi_{70}, \varphi_{68}$
	60	0	144144 <sub>2</sub> = $\chi_{71}, \varphi_{69}$
	61	0	192192 <sub>1</sub> = $\chi_{72}, \varphi_{71}$
	62	0	228800 <sub>1</sub> = $\chi_{74}, \varphi_{72}$
3.G :	63	1	8 × 6
	64 = 63*		
	65	0	78 <sub>1</sub> = $\chi_{78}, \varphi_{74}$
	66 = 65*		
	67	0	429 <sub>1</sub> = $\chi_{79}, \varphi_{75}$
	68 = 67*		
	69	0	1365 <sub>1</sub> = $\chi_{80}, \varphi_{76}$
	70 = 69*		
	71	0	1716 <sub>1</sub> = $\chi_{81}, \varphi_{77}$
	72 = 71*		
	73	0	2145 <sub>1</sub> = $\chi_{82}, \varphi_{78}$
	74 = 73*		
	75	0	2925 <sub>1</sub> = $\chi_{83}, \varphi_{79}$
	76 = 75*		
	77 = $\overline{76}$	0	2925 <sub>3</sub> = $\chi_{84}, \varphi_{80}$
	78 = 77*		
	79	0	3003 <sub>1</sub> = $\chi_{85}, \varphi_{81}$
	80 = 79*		

	blocks	defect	matrix
	81	0	$4290_1 = \chi_{86}, \varphi_{82}$
	82 = 81*		
	83	0	$18954_2 = \chi_{90}, \varphi_{86}$
	84 = 83*		
	85	0	$21450_1 = \chi_{91}, \varphi_{87}$
	86 = 85*		
	87	0	$24024_1 = \chi_{93}, \varphi_{88}$
	88 = 87*		
	89	0	$27027_1 = \chi_{94}, \varphi_{89}$
	90 = 89*		
	91	0	$30888_1 = \chi_{95}, \varphi_{90}$
	92 = 91*		
	93	0	$42900_1 = \chi_{96}, \varphi_{91}$
	94 = 93*		
	95	0	$60060_3 = \chi_{98}, \varphi_{93}$
	96 = 95*		
	97	0	$64350_3 = \chi_{99}, \varphi_{94}$
	98 = 97*		
	99	0	$75075_2 = \chi_{100}, \varphi_{95}$
	100 = 99*		
	101	0	$75075_4 = \chi_{101}, \varphi_{96}$
	102 = 101*		
	103	0	$85800_1 = \chi_{102}, \varphi_{97}$
	104 = 103*		
	105	0	$104247_1 = \chi_{103}, \varphi_{98}$
	106 = 105*		
	107	0	$108108_1 = \chi_{104}, \varphi_{99}$
	108 = 107*		
	109	0	$135135_1 = \chi_{106}, \varphi_{101}$
	110 = 109*		
	111	0	$139776_1 = \chi_{107}, \varphi_{102}$
	112 = 111*		
	113	0	$180180_1 = \chi_{109}, \varphi_{103}$
	114 = 113*		
	115	0	$189540_2 = \chi_{110}, \varphi_{104}$
	116 = 115*		
	117	0	$193050_2 = \chi_{111}, \varphi_{105}$
	118 = 117*		
	119	0	$208494_2 = \chi_{112}, \varphi_{106}$
	120 = 119*		

	blocks	defect	matrix
	121 122 = 121*	0	225225 <sub>1</sub> = $\chi_{113}, \varphi_{107}$
	123 124 = 123*	0	331695 <sub>1</sub> = $\chi_{114}, \varphi_{108}$
6.G :	125 126 = 125*	1	8 × 6
	127 128 = 127*	0	780 <sub>2</sub> = $\chi_{116}, \varphi_{110}$
	129 130 = 129*	0	4368 <sub>1</sub> = $\chi_{118}, \varphi_{112}$
	131 132 = 131*	0	4368 <sub>3</sub> = $\chi_{119}, \varphi_{113}$
	133 134 = 133*	0	8580 <sub>1</sub> = $\chi_{120}, \varphi_{114}$
	135 136 = 135*	0	12012 <sub>2</sub> = $\chi_{123}, \varphi_{117}$
	137 138 = 137*	0	12012 <sub>4</sub> = $\chi_{124}, \varphi_{118}$
	139 140 = 139*	0	12012 <sub>6</sub> = $\chi_{125}, \varphi_{119}$
	141 142 = 141*	0	27456 <sub>1</sub> = $\chi_{127}, \varphi_{121}$
	143 144 = 143*	0	27456 <sub>3</sub> = $\chi_{128}, \varphi_{122}$
	145 146 = 145*	0	35100 <sub>5</sub> = $\chi_{129}, \varphi_{123}$
	147 = 146 148 = 147*	0	35100 <sub>7</sub> = $\chi_{130}, \varphi_{124}$
	149 150 = 149*	0	42900 <sub>3</sub> = $\chi_{131}, \varphi_{125}$
	151 152 = 151*	0	77220 <sub>1</sub> = $\chi_{134}, \varphi_{127}$
	153 154 = 153*	0	112320 <sub>1</sub> = $\chi_{136}, \varphi_{128}$
	155 156 = 155*	0	139776 <sub>3</sub> = $\chi_{137}, \varphi_{129}$
	157 158 = 157*	0	144144 <sub>3</sub> = $\chi_{138}, \varphi_{130}$
	159 160 = 159*	0	144144 <sub>5</sub> = $\chi_{139}, \varphi_{131}$

	blocks	defect	matrix
	161	0	$171600_1 = \chi_{140}, \varphi_{132}$
	162 = 161*		
	163	0	$180180_3 = \chi_{141}, \varphi_{133}$
	164 = 163*		
	165	0	$300300_1 = \chi_{142}, \varphi_{134}$
	166 = 165*		
	167	0	$436800_1 = \chi_{143}, \varphi_{135}$
	168 = 167*		

<b>Block 1:</b>	$\varphi_1$	$\varphi_9$	$\varphi_{24}$	$\varphi_{30}$	$\varphi_{33}$	$\varphi_{38}$	
$1_1 = \chi_1$	1	.	.	.	.	.	$\varphi_1 = 1_1$
$5940_1 = \chi_9$	1	1	.	.	.	.	$\varphi_9 = 5939_1$
$93555_1 = \chi_{31}$	.	.	.	.	1	.	$\varphi_{24} = 57651_1$
$93555_2 = \chi_{32}$	.	.	.	.	1	.	$\varphi_{30} = 75405_1$
$133056_1 = \chi_{34}$	.	.	1	1	.	.	$\varphi_{33} = 93555_1$
$168960_1 = \chi_{37}$	.	.	.	1	1	.	$\varphi_{38} = 191181_1$
$197120_1 = \chi_{40}$	.	1	.	.	.	1	
$248832_1 = \chi_{43}$	.	.	1	.	.	1	

<b>Block 37:</b>	$\varphi_{42}$	$\varphi_{47}$	$\varphi_{58}$	$\varphi_{63}$	$\varphi_{66}$	$\varphi_{70}$	
$220_1 = \chi_{44}$	1	.	.	.	.	.	$\varphi_{42} = 220_1$
$4928_1 = \chi_{49}$	1	1	.	.	.	.	$\varphi_{47} = 4708_1$
$61236_1 = \chi_{60}$	.	.	1	.	.	.	$\varphi_{58} = 61236_1$
$61236_2 = \chi_{61}$	.	.	1	.	.	.	$\varphi_{63} = 97692_1$
$102400_1 = \chi_{67}$	.	1	.	1	.	.	$\varphi_{66} = 135884_1$
$197120_2 = \chi_{73}$	.	.	1	.	1	.	$\varphi_{70} = 179508_1$
$277200_1 = \chi_{75}$	.	.	.	1	.	1	
$315392_1 = \chi_{76}$	.	.	.	.	1	1	

<b>Blocks 63, 64:</b>	$\varphi_{73}$	$\varphi_{83}$	$\varphi_{84}$	$\varphi_{85}$	$\varphi_{92}$	$\varphi_{100}$	
$66_1 = \chi_{77}$	1	.	.	.	.	.	$\varphi_{73} = 66_1$
$5103_1 = \chi_{87}$	.	1	.	.	.	.	$\varphi_{83} = 5103_1$
$5103_3 = \chi_{88}$	.	1	.	.	.	.	$\varphi_{84} = 6654_1$
$6720_1 = \chi_{89}$	1	.	1	.	.	.	$\varphi_{85} = 17997_1$
$23100_1 = \chi_{92}$	.	1	.	1	.	.	$\varphi_{92} = 45321_1$
$51975_1 = \chi_{97}$	.	.	1	.	1	.	$\varphi_{100} = 115059_1$
$133056_2 = \chi_{105}$	.	.	.	1	.	1	
$160380_1 = \chi_{108}$	.	.	.	.	1	1	

<b>Blocks 125, 126:</b>	$\varphi_{109}$	$\varphi_{111}$	$\varphi_{115}$	$\varphi_{116}$	$\varphi_{120}$	$\varphi_{126}$	
$12_1 = \chi_{115}$	1	.	.	.	.	.	$\varphi_{109} = 12_1$
$924_1 = \chi_{117}$	1	1	.	.	.	.	$\varphi_{111} = 912_1$
$11088_1 = \chi_{121}$	.	.	1	.	.	.	$\varphi_{115} = 11088_1$
$11088_3 = \chi_{122}$	.	.	.	1	.	.	$\varphi_{116} = 11088_3$
$23100_3 = \chi_{126}$	.	1	.	.	1	.	$\varphi_{120} = 22188_1$
$61236_3 = \chi_{132}$	.	.	.	.	.	1	$\varphi_{126} = 61236_2$
$61236_5 = \chi_{133}$	.	.	.	.	.	1	
$105600_1 = \chi_{135}$	.	.	1	1	1	1	