

Suz (mod 3)

	blocks	defect	matrix
3. <i>G</i> :	1	8	94×13
	2	3	16×5
	3	2	9×2
6. <i>G</i> :	4	8	85×10
	5	1	3×1
	6	1	3×1

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{12}	φ_{13}	φ_{16}	φ_{17}
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.
$143_1 = \chi_2$	1	1	1	.	.	.	.	.	.	.	.	.	.
$364_1 = \chi_3$	.	.	1	1	.	.	.	.	.	.	.	.	.
$780_1 = \chi_4$	1	1	.	1	1	.	.	.	.	.	.	.	.
$1001_1 = \chi_5$	2	1	.	1	.	1	.	.	.	.	.	.	.
$3432_1 = \chi_6$	2	2	.	1	1	1	1	.	.	.	.	.	.
$5005_1 = \chi_7$	.	1	1	.	.	.	1	1	.	.	.	.	.
$5005_2 = \chi_8$	.	1	1	.	.	.	1	1	.	.	.	.	.
$5940_1 = \chi_9$	2	1	1	4	1	2	.	1	.	.	.	.	.
$10725_1 = \chi_{10}$	.	1	1	1	.	1	1	1	1	.	.	.	.
$12012_1 = \chi_{11}$	.	.	2	2	.	1	.	2	1	.	.	.	.
$14300_1 = \chi_{12}$	2	1	1	1	.	1	.	.	1	1	.	.	.
$15015_1 = \chi_{13}$	2	1	1	2	1	1	.	.	1	1	.	.	.
$15015_2 = \chi_{14}$	2	1	1	2	1	1	.	.	1	1	.	.	.
$25025_1 = \chi_{17}$	3	2	1	2	1	1	.	.	.	1	1	.	.
$25025_2 = \chi_{18}$	.	1	.	.	.	1	1	1	.	.	.	1	.
$25025_3 = \chi_{19}$	.	1	.	.	.	1	1	1	.	.	.	1	.
$40040_1 = \chi_{20}$	5	4	3	5	1	3	1	2	1	1	1	.	.
$50050_1 = \chi_{21}$	3	3	1	2	1	2	1	1	.	1	1	1	.
$50050_2 = \chi_{22}$	3	3	1	2	1	2	1	1	.	1	1	1	.
$54054_1 = \chi_{23}$	.	.	2	.	.	.	.	1	2	1	.	.	1
$64064_1 = \chi_{24}$	3	4	3	4	1	3	2	3	1	1	1	1	.
$64350_1 = \chi_{25}$	5	4	2	3	1	3	1	1	1	2	1	1	.
$64350_2 = \chi_{26}$	5	4	2	3	1	3	1	1	1	2	1	1	.
$66560_1 = \chi_{27}$	2	2	1	2	2	2	1	2	1	2	1	1	.
$75075_1 = \chi_{28}$	5	5	3	4	1	4	2	2	2	2	1	1	.
$79872_1 = \chi_{29}$	4	4	3	4	2	3	1	1	1	2	2	1	.
$100100_1 = \chi_{33}$	4	4	4	4	1	2	1	2	2	2	2	.	1
$133056_1 = \chi_{34}$	3	6	2	2	1	4	4	4	1	2	2	3	.
$146432_1 = \chi_{35}$	4	6	3	3	.	4	3	3	2	2	2	2	1
$163800_1 = \chi_{36}$	7	8	6	7	2	5	3	5	3	3	3	1	1
$168960_1 = \chi_{37}$	6	8	4	5	2	5	3	2	2	3	3	2	1
$193050_1 = \chi_{39}$	5	7	5	6	2	6	4	6	3	3	2	3	1
$197120_1 = \chi_{40}$	8	8	6	7	2	6	3	5	4	4	3	2	1
$66_1 = \chi_{77}$	2	1	.	.	.	.	.	.	.	.	.	.	.
$66_2 = \chi_{77}^{*2}$	2	1	.	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{78}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$78_2 = \chi_{78}^{*2}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$429_1 = \chi_{79}$	.	.	.	.	1	.	.	.	.	.	.	.	.
$429_2 = \chi_{79}^{*2}$	.	.	.	.	1	.	.	.	.	.	.	.	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{12}	φ_{13}	φ_{16}	φ_{17}
$1365_1 = \chi_{80}$	2	1	1	2	.	1	.	.	.	.	.	.	.
$1365_2 = \chi_{80}^{*2}$	2	1	1	2	.	1	.	.	.	.	.	.	.
$1716_1 = \chi_{81}$	2	1	.	2	1	1	.	.	.	.	.	.	.
$1716_2 = \chi_{81}^{*2}$	2	1	.	2	1	1	.	.	.	.	.	.	.
$2145_1 = \chi_{82}$	1	2	1	.	.	.	1	.	.	.	.	.	.
$2145_2 = \chi_{82}^{*2}$	1	2	1	.	.	.	1	.	.	.	.	.	.
$2925_1 = \chi_{83}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$2925_2 = \chi_{83}^{*8}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$2925_3 = \chi_{84}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$2925_4 = \chi_{84}^{*8}$	.	.	.	.	.	.	.	1	.	.	.	.	.
$3003_1 = \chi_{85}$	.	.	1	.	.	.	.	1	.	.	.	.	.
$3003_2 = \chi_{85}^{*2}$	.	.	1	.	.	.	.	1	.	.	.	.	.
$4290_1 = \chi_{86}$	2	1	1	2	.	1	.	1	.	.	.	.	.
$4290_2 = \chi_{86}^{*2}$	2	1	1	2	.	1	.	1	.	.	.	.	.
$6720_1 = \chi_{89}$	1	2	1	2	1	1	1	1	.	.	.	.	.
$6720_2 = \chi_{89}^{*2}$	1	2	1	2	1	1	1	1	.	.	.	.	.
$21450_1 = \chi_{91}$	1	2	1	2	1	1	1	1	.	.	1	.	.
$21450_2 = \chi_{91}^{*2}$	1	2	1	2	1	1	1	1	.	.	1	.	.
$23100_1 = \chi_{92}$	1	2	.	1	.	2	1	.	.	.	.	1	.
$23100_2 = \chi_{92}^{*2}$	1	2	.	1	.	2	1	.	.	.	.	1	.
$24024_1 = \chi_{93}$	1	2	2	2	.	1	1	2	.	.	1	.	.
$24024_2 = \chi_{93}^{*2}$	1	2	2	2	.	1	1	2	.	.	1	.	.
$27027_1 = \chi_{94}$	2	1	3	4	1	2	.	2	2	1	.	.	.
$27027_2 = \chi_{94}^{*2}$	2	1	3	4	1	2	.	2	2	1	.	.	.
$30888_1 = \chi_{95}$	1	2	.	1	.	2	2	2	.	.	.	1	.
$30888_2 = \chi_{95}^{*2}$	1	2	.	1	.	2	2	2	.	.	.	1	.
$42900_1 = \chi_{96}$	4	2	2	4	2	2	.	1	1	2	1	.	.
$42900_2 = \chi_{96}^{*2}$	4	2	2	4	2	2	.	1	1	2	1	.	.
$51975_1 = \chi_{97}$	1	2	2	1	.	2	2	3	2	1	.	1	.
$51975_2 = \chi_{97}^{*2}$	1	2	2	1	.	2	2	3	2	1	.	1	.
$60060_3 = \chi_{98}$	3	3	1	1	1	2	1	.	1	2	1	1	.
$60060_4 = \chi_{98}^{*2}$	3	3	1	1	1	2	1	.	1	2	1	1	.
$64350_3 = \chi_{99}$	5	4	2	3	1	3	1	1	1	2	1	1	.
$64350_4 = \chi_{99}^{*2}$	5	4	2	3	1	3	1	1	1	2	1	1	.
$75075_2 = \chi_{100}$	1	2	3	2	.	1	1	2	2	1	1	.	1
$75075_3 = \chi_{100}^{*2}$	1	2	3	2	.	1	1	2	2	1	1	.	1
$75075_4 = \chi_{101}$	1	2	3	2	.	1	1	2	2	1	1	.	1
$75075_5 = \chi_{101}^{*2}$	1	2	3	2	.	1	1	2	2	1	1	.	1
$85800_1 = \chi_{102}$	6	6	3	5	2	4	2	2	1	2	2	1	.
$85800_2 = \chi_{102}^{*2}$	6	6	3	5	2	4	2	2	1	2	2	1	.

(Block 1:)	φ_1	φ_2	φ_3	φ_4	φ_5	φ_6	φ_7	φ_8	φ_9	φ_{12}	φ_{13}	φ_{16}	φ_{17}
$108108_1 = \chi_{104}$	4	5	3	5	2	4	2	3	1	2	2	2	.
$108108_2 = \chi_{104}^{*2}$	4	5	3	5	2	4	2	3	1	2	2	2	.
$133056_2 = \chi_{105}$	3	6	2	2	1	4	4	4	1	2	2	3	.
$133056_3 = \chi_{105}^{*2}$	3	6	2	2	1	4	4	4	1	2	2	3	.
$135135_1 = \chi_{106}$	2	4	2	1	1	2	2	2	1	2	2	2	1
$135135_2 = \chi_{106}^{*2}$	2	4	2	1	1	2	2	2	1	2	2	2	1
$139776_1 = \chi_{107}$	6	6	4	5	2	4	2	3	3	3	2	1	1
$139776_2 = \chi_{107}^{*2}$	6	6	4	5	2	4	2	3	3	3	2	1	1
$180180_1 = \chi_{109}$	7	8	5	6	1	6	3	4	3	3	3	2	1
$180180_2 = \chi_{109}^{*2}$	7	8	5	6	1	6	3	4	3	3	3	2	1
$193050_2 = \chi_{111}$	5	7	5	6	2	6	4	6	3	3	2	3	1
$193050_3 = \chi_{111}^{*2}$	5	7	5	6	2	6	4	6	3	3	2	3	1
$225225_1 = \chi_{113}$	12	12	8	10	3	8	4	5	4	5	4	2	1
$225225_2 = \chi_{113}^{*2}$	12	12	8	10	3	8	4	5	4	5	4	2	1

$$\begin{array}{ll}
\varphi_1 = 1_1 & \varphi_8 = 2925_1 \\
\varphi_2 = 64_1 & \varphi_9 = 4785_1 \\
\varphi_3 = 78_1 & \varphi_{12} = 8436_1 \\
\varphi_4 = 286_1 & \varphi_{13} = 14730_1 \\
\varphi_5 = 429_1 & \varphi_{16} = 19449_1 \\
\varphi_6 = 649_1 & \varphi_{17} = 32967_1 \\
\varphi_7 = 1938_1 &
\end{array}$$

Block 2:	φ_{10}	φ_{11}	φ_{14}	φ_{18}	φ_{19}	
$15795_1 = \chi_{15}$	.	.	1	.	.	
$88452_1 = \chi_{30}$	.	.	1	1	.	
$93555_1 = \chi_{31}$	1	.	1	1	.	
$93555_2 = \chi_{32}$	.	1	1	1	.	
$243243_1 = \chi_{42}$	1	1	.	1	1	
$248832_1 = \chi_{43}$	.	.	1	1	1	
$5103_1 = \chi_{87}$	1	.	.	.	.	$\varphi_{10} = 5103_1$
$5103_2 = \chi_{87}^{*14}$	1	.	.	.	.	$\varphi_{11} = 5103_2$
$5103_3 = \chi_{88}$	.	1	.	.	.	$\varphi_{14} = 15795_1$
$5103_4 = \chi_{88}^{*14}$	.	1	.	.	.	$\varphi_{18} = 72657_1$
$104247_1 = \chi_{103}$	.	.	2	1	.	$\varphi_{19} = 160380_1$
$104247_2 = \chi_{103}^{*2}$	.	.	2	1	.	
$160380_1 = \chi_{108}$	.	.	.	.	1	
$160380_2 = \chi_{108}^{*2}$	.	.	.	.	1	
$331695_1 = \chi_{114}$	1	1	1	2	1	
$331695_2 = \chi_{114}^{*2}$	1	1	1	2	1	

Block 3:	φ_{15}	φ_{20}
$18954_1 = \chi_{16}$	1	.
$189540_1 = \chi_{38}$	.	1
$208494_1 = \chi_{41}$	1	1
$18954_2 = \chi_{90}$	1	.
$18954_3 = \chi_{90}^{*2}$	1	.
$189540_2 = \chi_{110}$	.	1
$189540_3 = \chi_{110}^{*2}$	.	1
$208494_2 = \chi_{112}$	1	1
$208494_3 = \chi_{112}^{*2}$	1	1

$$\begin{aligned}\varphi_{15} &= 18954_1 \\ \varphi_{20} &= 189540_1\end{aligned}$$

Block 4:	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}
$220_1 = \chi_{44}$	1	1	.	.	.	.	.	.	.	.
$364_2 = \chi_{45}$	1	.	1	.	.	.	.	.	.	.
$364_3 = \chi_{46}$	1	.	1	.	.	.	.	.	.	.
$572_1 = \chi_{47}$	1	1	1	.	.	.	.	.	.	.
$572_2 = \chi_{48}$	1	1	1	.	.	.	.	.	.	.
$4928_1 = \chi_{49}$	.	1	1	.	1	.	.	.	.	.
$16016_1 = \chi_{50}$	3	3	6	2	.	1	.	.	.	.
$16016_2 = \chi_{51}$	3	3	6	2	.	1	.	.	.	.
$20020_1 = \chi_{52}$	2	3	5	2	1	1	.	.	.	.
$20020_2 = \chi_{53}$	1	2	4	1	1	.	1	.	.	.
$35100_1 = \chi_{54}$	3	4	6	2	.	2	1	.	.	.
$35100_2 = \chi_{55}$	3	4	6	2	.	2	1	.	.	.
$35100_3 = \chi_{56}$	3	4	6	2	.	2	1	.	.	.
$35100_4 = \chi_{57}$	3	4	6	2	.	2	1	.	.	.
$60060_1 = \chi_{58}$	1	1	1	.	.	.	.	1	1	.
$60060_2 = \chi_{59}$	1	1	1	.	.	.	.	1	1	.
$79872_2 = \chi_{62}$	3	3	6	2	1	1	.	1	1	.
$79872_3 = \chi_{63}$	3	3	6	2	1	1	.	1	1	.
$80080_1 = \chi_{64}$	2	3	5	1	1	1	2	.	1	.
$80080_2 = \chi_{65}$	3	4	6	2	1	2	1	.	1	.
$100100_2 = \chi_{66}$	5	6	10	4	.	3	.	1	.	1
$102400_1 = \chi_{67}$	4	4	8	3	1	2	1	1	1	.
$128128_1 = \chi_{68}$	2	3	4	1	1	1	1	1	2	.
$137280_1 = \chi_{69}$	4	5	7	2	.	2	1	1	1	1
$144144_1 = \chi_{70}$	5	6	10	3	1	2	1	1	2	.
$144144_2 = \chi_{71}$	5	6	10	3	1	2	1	1	2	.
$192192_1 = \chi_{72}$	9	11	18	6	1	5	2	1	1	1
$197120_2 = \chi_{73}$	5	7	10	3	2	2	.	2	3	.
$228800_1 = \chi_{74}$	8	10	15	5	1	4	1	2	2	1
$277200_1 = \chi_{75}$	8	10	15	5	1	4	.	3	3	1
$315392_1 = \chi_{76}$	9	12	17	6	2	5	2	3	3	1
$12_1 = \chi_{115}$	1	.	.	.	.	.	.	.	.	.
$12_2 = \chi_{115}^{*2}$	1	.	.	.	.	.	.	.	.	.
$780_2 = \chi_{116}$	1	2	1	.	.	.	.	.	.	.
$780_3 = \chi_{116}^{*2}$	1	2	1	.	.	.	.	.	.	.
$924_1 = \chi_{117}$	1	1	2	.	.	.	.	.	.	.
$924_2 = \chi_{117}^{*2}$	1	1	2	.	.	.	.	.	.	.
$4368_1 = \chi_{118}$	2	1	4	1	.	.	.	.	.	.
$4368_2 = \chi_{118}^{*2}$	2	1	4	1	.	.	.	.	.	.
$4368_3 = \chi_{119}$	.	.	.	.	1	.	.	.	.	.

(Block 4:)	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}
$4368_4 = \chi_{119}^{*2}$	.	.	.	.	1	.	.	.	.	.
$8580_1 = \chi_{120}$	1	2	3	1	1	.	.	.	.	.
$8580_2 = \chi_{120}^{*2}$	1	2	3	1	1	.	.	.	.	.
$11088_1 = \chi_{121}$	.	.	.	.	.	.	1	.	.	.
$11088_2 = \chi_{121}^{*5}$	.	.	.	.	.	.	1	.	.	.
$11088_3 = \chi_{122}$	.	.	.	.	.	.	1	.	.	.
$11088_4 = \chi_{122}^{*5}$	.	.	.	.	.	.	1	.	.	.
$12012_2 = \chi_{123}$	2	2	3	1	.	1	.	.	.	.
$12012_3 = \chi_{123}^{*2}$	2	2	3	1	.	1	.	.	.	.
$12012_4 = \chi_{124}$	2	2	3	1	.	1	.	.	.	.
$12012_5 = \chi_{124}^{*2}$	2	2	3	1	.	1	.	.	.	.
$12012_6 = \chi_{125}$	1	1	2	.	.	.	1	.	.	.
$12012_7 = \chi_{125}^{*2}$	1	1	2	.	.	.	1	.	.	.
$23100_3 = \chi_{126}$	2	2	3	1	.	1	1	.	.	.
$23100_4 = \chi_{126}^{*2}$	2	2	3	1	.	1	1	.	.	.
$27456_1 = \chi_{127}$	4	4	8	3	.	2	.	.	.	.
$27456_2 = \chi_{127}^{*2}$	4	4	8	3	.	2	.	.	.	.
$27456_3 = \chi_{128}$	1	2	3	1	1	1	1	.	.	.
$27456_4 = \chi_{128}^{*2}$	1	2	3	1	1	1	1	.	.	.
$35100_5 = \chi_{129}$	3	4	6	2	.	2	1	.	.	.
$35100_6 = \chi_{129}^{*8}$	3	4	6	2	.	2	1	.	.	.
$35100_7 = \chi_{130}$	3	4	6	2	.	2	1	.	.	.
$35100_8 = \chi_{130}^{*8}$	3	4	6	2	.	2	1	.	.	.
$42900_3 = \chi_{131}$	3	4	8	3	1	2	1	.	.	.
$42900_4 = \chi_{131}^{*2}$	3	4	8	3	1	2	1	.	.	.
$77220_1 = \chi_{134}$	3	4	6	2	.	2	1	.	.	1
$77220_2 = \chi_{134}^{*2}$	3	4	6	2	.	2	1	.	.	1
$105600_1 = \chi_{135}$	1	2	2	.	1	.	.	1	2	.
$105600_2 = \chi_{135}^{*2}$	1	2	2	.	1	.	.	1	2	.
$112320_1 = \chi_{136}$	6	8	12	4	.	4	2	.	.	1
$112320_2 = \chi_{136}^{*2}$	6	8	12	4	.	4	2	.	.	1
$139776_3 = \chi_{137}$	3	5	6	2	1	2	1	1	2	.
$139776_4 = \chi_{137}^{*2}$	3	5	6	2	1	2	1	1	2	.
$144144_3 = \chi_{138}$	5	6	10	3	1	2	1	1	2	.
$144144_4 = \chi_{138}^{*2}$	5	6	10	3	1	2	1	1	2	.
$144144_5 = \chi_{139}$	3	4	5	2	.	2	.	2	1	1
$144144_6 = \chi_{139}^{*2}$	3	4	5	2	.	2	.	2	1	1
$171600_1 = \chi_{140}$	6	8	13	4	2	3	2	1	2	.
$171600_2 = \chi_{140}^{*2}$	6	8	13	4	2	3	2	1	2	.
$180180_3 = \chi_{141}$	8	10	16	6	1	4	.	2	1	1

(Block 4:)	φ_{21}	φ_{22}	φ_{23}	φ_{24}	φ_{25}	φ_{26}	φ_{27}	φ_{28}	φ_{29}	φ_{30}
$180180_4 = \chi_{141}^{*2}$	8	10	16	6	1	4	.	2	1	1
$300300_1 = \chi_{142}$	10	12	18	6	1	5	1	3	3	1
$300300_2 = \chi_{142}^{*2}$	10	12	18	6	1	5	1	3	3	1
$436800_1 = \chi_{143}$	13	16	25	8	3	6	2	4	5	1
$436800_2 = \chi_{143}^{*2}$	13	16	25	8	3	6	2	4	5	1

$$\begin{array}{ll}
\varphi_{21} & = 12_1 \\
\varphi_{22} & = 208_1 \\
\varphi_{23} & = 352_1 \\
\varphi_{24} & = 2728_1 \\
\varphi_{25} & = 4368_1 \\
\varphi_{26} & = 7788_1 \\
\varphi_{27} & = 11088_1 \\
\varphi_{28} & = 18876_1 \\
\varphi_{29} & = 40612_1 \\
\varphi_{30} & = 42120_1
\end{array}$$

Block 5:	φ_{31}
$61236_1 = \chi_{60}$	1
$61236_3 = \chi_{132}$	1
$61236_4 = \chi_{132}^{*14}$	1

$$\varphi_{31} = 61236_1$$

Block 6:	φ_{32}
$61236_2 = \chi_{61}$	1
$61236_5 = \chi_{133}$	1
$61236_6 = \chi_{133}^{*14}$	1

$$\varphi_{32} = 61236_2$$