

# $Sz(8) \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	$7 \times 4$
	2	0	$65_1 = \chi_8, \varphi_5$
	3	0	$65_2 = \chi_9, \varphi_6$
	4	0	$65_3 = \chi_{10}, \varphi_7$
	5	0	$91_1 = \chi_{11}, \varphi_8$
$2.G :$	6	1	$7 \times 4$
	7	0	$104_1 = \chi_{19}, \varphi_{13}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	
$1_1 = \chi_1$	1	.	.	.	$\varphi_1 = 1_1$ $\varphi_2 = 14_1$ $\varphi_3 = 14_2$ $\varphi_4 = 35_1$
$14_1 = \chi_2$	.	1	.	.	
$14_2 = \chi_3$	.	.	1	.	
$35_1 = \chi_4$	.	.	.	1	
$35_2 = \chi_5$	.	.	.	1	
$35_3 = \chi_6$	.	.	.	1	
$64_1 = \chi_7$	1	1	1	1	

<b>Block 6:</b>	$\varphi_9$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	
$40_1 = \chi_{12}$	.	.	1	.	$\varphi_9 = 16_1$ $\varphi_{10} = 24_1$ $\varphi_{11} = 40_1$ $\varphi_{12} = 40_2$
$40_2 = \chi_{13}$	.	.	.	1	
$40_3 = \chi_{14}$	1	1	.	.	
$56_1 = \chi_{15}$	1	.	1	.	
$56_2 = \chi_{16}$	1	.	1	.	
$56_3 = \chi_{17}$	1	.	1	.	
$64_2 = \chi_{18}$	.	1	.	1	