

## $Sz(8).3 \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	$5 \times 4$
	2	1	$5 \times 4$
	$3 = \bar{2}$	1	$5 \times 4$
	4	0	$105_1 = \chi_{4+}, \varphi_{4+}$
	5	0	$195_1 = \chi_{8+}, \varphi_{8+}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{7,0}$	
$1_1 = \chi_{1,0}$	1	.	.	.	$\varphi_{1,0} = 1_1$
$14_1 = \chi_{2,0}$	.	1	.	.	$\varphi_{2,0} = 14_1$
$14_4 = \chi_{3,0}$	.	.	1	.	$\varphi_{3,0} = 14_4$
$64_1 = \chi_{7,0}$	1	.	.	1	$\varphi_{7,0} = 63_1$
$91_1 = \chi_{11,0}$	.	1	1	1	

<b>Block 2:</b>	$\varphi_{1,1}$	$\varphi_{2,1}$	$\varphi_{3,1}$	$\varphi_{7,1}$	
$1_2 = \chi_{1,1}$	1	.	.	.	$\varphi_{1,1} = 1_2$
$14_2 = \chi_{2,1}$	.	1	.	.	$\varphi_{2,1} = 14_2$
$14_5 = \chi_{3,1}$	.	.	1	.	$\varphi_{3,1} = 14_5$
$64_2 = \chi_{7,1}$	1	.	.	1	$\varphi_{7,1} = 63_2$
$91_2 = \chi_{11,1}$	.	1	1	1	

<b>Block 3:</b>	$\varphi_{1,2}$	$\varphi_{2,2}$	$\varphi_{3,2}$	$\varphi_{7,2}$	
$1_3 = \chi_{1,2}$	1	.	.	.	$\varphi_{1,2} = 1_3$
$14_3 = \chi_{2,2}$	.	1	.	.	$\varphi_{2,2} = 14_3$
$14_6 = \chi_{3,2}$	.	.	1	.	$\varphi_{3,2} = 14_6$
$64_3 = \chi_{7,2}$	1	.	.	1	$\varphi_{7,2} = 63_3$
$91_3 = \chi_{11,2}$	.	1	1	1	