

# $L_2(29) \pmod{29}$

	blocks	defect	matrix
$G :$	1 2	1 0	$16 \times 14$ $29_1 = \chi_{11}, \varphi_{15}$
$2.G :$	3	1	$16 \times 14$

Block 1:	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_9$	$\varphi_{10}$	$\varphi_{11}$	$\varphi_{12}$	$\varphi_{13}$	$\varphi_{14}$
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	.	.	.	.	.
$15_1 = \chi_2$	.	.	.	.	.	.	.	1	.	.	.	.	.	.
$15_2 = \chi_3$	.	.	.	.	.	.	.	1	.	.	.	.	.	.
$28_1 = \chi_4$	.	.	.	.	1	.	.	.	.	1	.	.	.	.
$28_2 = \chi_5$	.	.	1	.	.	.	.	.	.	.	.	1	.	.
$28_3 = \chi_6$	.	.	.	.	.	1	.	.	1	.	.	.	.	.
$28_4 = \chi_7$	.	1	.	.	.	.	.	.	.	.	.	.	1	.
$28_5 = \chi_8$	1	.	.	.	.	.	.	.	.	.	.	.	.	1
$28_6 = \chi_9$	.	.	.	.	.	.	1	1	.	.	.	.	.	.
$28_7 = \chi_{10}$	.	.	.	1	.	.	.	.	.	.	1	.	.	.
$30_1 = \chi_{12}$	.	.	.	.	1	.	.	.	.	.	1	.	.	.
$30_2 = \chi_{13}$	.	.	1	.	.	.	.	.	.	.	.	.	1	.
$30_3 = \chi_{14}$	.	.	.	.	.	.	1	.	1	.	.	.	.	.
$30_4 = \chi_{15}$	.	.	.	1	.	.	.	.	.	.	.	1	.	.
$30_5 = \chi_{16}$	.	.	.	.	.	1	.	.	.	1	.	.	.	.
$30_6 = \chi_{17}$	.	1	.	.	.	.	.	.	.	.	.	.	.	1

$\varphi_1 = 1_1$	$\varphi_8 = 15_1$
$\varphi_2 = 3_1$	$\varphi_9 = 17_1$
$\varphi_3 = 5_1$	$\varphi_{10} = 19_1$
$\varphi_4 = 7_1$	$\varphi_{11} = 21_1$
$\varphi_5 = 9_1$	$\varphi_{12} = 23_1$
$\varphi_6 = 11_1$	$\varphi_{13} = 25_1$
$\varphi_7 = 13_1$	$\varphi_{14} = 27_1$

<b>Block 3:</b>	$\varphi_{16}$	$\varphi_{17}$	$\varphi_{18}$	$\varphi_{19}$	$\varphi_{20}$	$\varphi_{21}$	$\varphi_{22}$	$\varphi_{23}$	$\varphi_{24}$	$\varphi_{25}$	$\varphi_{26}$	$\varphi_{27}$	$\varphi_{28}$	$\varphi_{29}$
$14_1 = \chi_{18}$	.	.	.	.	.	.	1	.	.	.	.	.	.	.
$14_2 = \chi_{19}$	.	.	.	.	.	.	1	.	.	.	.	.	.	.
$28_8 = \chi_{20}$	.	1	.	.	.	.	.	.	.	.	.	1	.	.
$28_9 = \chi_{21}$	.	.	.	1	.	.	.	.	.	1	.	.	.	.
$28_{10} = \chi_{22}$	1	.	.	.	.	.	.	.	.	.	.	.	1	.
$28_{11} = \chi_{23}$	.	.	.	.	1	.	.	.	1	.	.	.	.	.
$28_{12} = \chi_{24}$	.	.	.	.	.	1	.	1	.	.	.	.	.	.
$28_{13} = \chi_{25}$	.	.	.	.	.	.	.	.	.	.	.	.	.	1
$28_{14} = \chi_{26}$	.	.	1	.	.	.	.	.	.	.	1	.	.	.
$30_7 = \chi_{27}$	.	.	.	1	.	.	.	.	.	.	1	.	.	.
$30_8 = \chi_{28}$	1	.	.	.	.	.	.	.	.	.	.	.	.	1
$30_9 = \chi_{29}$	.	1	.	.	.	.	.	.	.	.	.	.	1	.
$30_{10} = \chi_{30}$	.	.	.	.	1	.	.	.	.	1	.	.	.	.
$30_{11} = \chi_{31}$	.	.	.	.	.	.	1	1	.	.	.	.	.	.
$30_{12} = \chi_{32}$	.	.	.	.	.	1	.	.	1	.	.	.	.	.
$30_{13} = \chi_{33}$	.	.	1	.	.	.	.	.	.	.	.	1	.	.

$$\begin{array}{ll}
\varphi_{16} = 2_1 & \varphi_{23} = 16_1 \\
\varphi_{17} = 4_1 & \varphi_{24} = 18_1 \\
\varphi_{18} = 6_1 & \varphi_{25} = 20_1 \\
\varphi_{19} = 8_1 & \varphi_{26} = 22_1 \\
\varphi_{20} = 10_1 & \varphi_{27} = 24_1 \\
\varphi_{21} = 12_1 & \varphi_{28} = 26_1 \\
\varphi_{22} = 14_1 & \varphi_{29} = 28_1
\end{array}$$