

$U_3(8).2 \pmod{2}$

	blocks	defect	matrix
$G :$	1 2	10 1	27×14 2×1
$3.G :$	3	9	27×21

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	φ_{5+}	φ_{7+}	φ_{9+}	φ_{11+}	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{15,0}$	φ_{16+}
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	.	.	.	.	.	.
$56_1 = \chi_{2,0}$	2	.	.	.	1	1	1	.	.	.	.	.
$56_2 = \chi_{2,1}$	2	.	.	.	1	1	1	.	.	.	.	.
$114_1 = \chi_{3+}$	6	.	.	.	1	1	1	1	.	.	.	.
$133_1 = \chi_{5,0}$	1	1	1	1	1	1	1	1	.	.	.	.
$133_2 = \chi_{5,1}$	1	1	1	1	1	1	1	1	.	.	.	.
$266_1 = \chi_{6+}$	2	2	2	2	2	2	2	2	.	.	.	.
$399_1 = \chi_{8,0}$	5	1	.	2	1	3	2	1	1	.	.	.
$399_2 = \chi_{8,1}$	5	1	.	2	1	3	2	1	1	.	.	.
$399_3 = \chi_{9,0}$	5	2	1	.	2	1	3	1	.	1	.	1
$399_4 = \chi_{9,1}$	5	2	1	.	2	1	3	1	.	1	.	1
$399_5 = \chi_{10,0}$	5	.	2	1	3	2	1	1	.	.	1	.
$399_6 = \chi_{10,1}$	5	.	2	1	3	2	1	1	.	.	1	.
$912_1 = \chi_{11+}$	6	4	4	4	5	5	5	2	.	.	.	1
$513_1 = \chi_{14,0}$	5	3	1	2	2	2	4	2	.	1	.	1
$513_2 = \chi_{14,1}$	5	3	1	2	2	2	4	2	.	1	.	1
$513_3 = \chi_{15,0}$	5	2	3	1	4	2	2	2	.	.	1	.
$513_4 = \chi_{15,1}$	5	2	3	1	4	2	2	2	.	.	1	.
$513_5 = \chi_{16,0}$	5	1	2	3	2	4	2	2	1	.	.	.
$513_6 = \chi_{16,1}$	5	1	2	3	2	4	2	2	1	.	.	.
$1026_1 = \chi_{17+}$	8	2	2	6	4	7	4	2	2	.	.	.
$1026_2 = \chi_{19+}$	8	6	2	2	4	4	7	2	.	2	.	2
$1026_3 = \chi_{21+}$	8	2	6	2	7	4	4	2	.	.	2	1
$1134_1 = \chi_{23+}$	10	2	4	6	5	8	4	3	2	.	.	.
$1134_2 = \chi_{25+}$	10	6	2	4	4	5	8	3	.	2	.	2
$1134_3 = \chi_{27+}$	10	4	6	2	8	4	5	3	.	.	2	1

(Block 1:)	φ_{18+}	φ_{20+}		
$1_1 = \chi_{1,0}$	.	.		
$1_2 = \chi_{1,1}$	.	.		
$56_1 = \chi_{2,0}$	.	.		
$56_2 = \chi_{2,1}$	.	.		
$114_1 = \chi_{3+}$	.	.		
$133_1 = \chi_{5,0}$	.	.		
$133_2 = \chi_{5,1}$	.	.	$\varphi_{1,0} =$	1_1
$266_1 = \chi_{6+}$	.	.	$\varphi_{2,0} =$	8_1
$399_1 = \chi_{8,0}$	.	1	$\varphi_{3,0} =$	8_2
$399_2 = \chi_{8,1}$	.	1	$\varphi_{4,0} =$	8_3
$399_3 = \chi_{9,0}$	.	.	$\varphi_{5+} =$	18_1
$399_4 = \chi_{9,1}$	.	.	$\varphi_{7+} =$	18_2
$399_5 = \chi_{10,0}$	1	.	$\varphi_{9+} =$	18_3
$399_6 = \chi_{10,1}$	1	.	$\varphi_{11+} =$	54_1
$912_1 = \chi_{11+}$	1	1	$\varphi_{13,0} =$	64_1
$513_1 = \chi_{14,0}$	.	.	$\varphi_{14,0} =$	64_2
$513_2 = \chi_{14,1}$	.	.	$\varphi_{15,0} =$	64_3
$513_3 = \chi_{15,0}$	1	.	$\varphi_{16+} =$	144_1
$513_4 = \chi_{15,1}$	1	.	$\varphi_{18+} =$	144_2
$513_5 = \chi_{16,0}$	.	1	$\varphi_{20+} =$	144_3
$513_6 = \chi_{16,1}$	.	1		
$1026_1 = \chi_{17+}$	1	2		
$1026_2 = \chi_{19+}$	.	1		
$1026_3 = \chi_{21+}$	2	.		
$1134_1 = \chi_{23+}$	1	2		
$1134_2 = \chi_{25+}$	.	1		
$1134_3 = \chi_{27+}$	2	.		

Block 2:	$\varphi_{22,0}$	
$512_1 = \chi_{13,0}$	1	$\varphi_{22,0} = 512_1$
$512_2 = \chi_{13,1}$	1	

Block 3:	φ_{23+}	φ_{25+}	φ_{24+}	φ_{28+}	φ_{30+}	φ_{29+}	φ_{33+}	φ_{35+}	φ_{34+}	φ_{38+}	φ_{40+}
$114_2 = \chi_{29+}$	2	1	1	1	1	.	.	.	.	.	.
$114_3 = \chi_{30+}$	1	2	1	.	1	1	.	.	.	.	.
$114_4 = \chi_{31+}$	1	1	2	1	.	1	.	.	.	.	.
$378_1 = \chi_{32+}$	1	1	1	1	1	1	1	1	1	.	.
$378_2 = \chi_{33+}$	1	1	1	1	1	1	1	1	1	.	.
$378_3 = \chi_{34+}$	1	1	1	1	1	1	1	1	1	.	.
$798_1 = \chi_{35+}$	5	4	3	3	2	2	1	1	1	1	1
$798_2 = \chi_{36+}$	3	5	4	2	3	2	1	1	1	.	1
$798_3 = \chi_{37+}$	4	3	5	2	2	3	1	1	1	1	.
$912_2 = \chi_{38+}$	2	5	5	1	3	2	.	.	.	.	.
$912_3 = \chi_{39+}$	5	2	5	2	1	3	.	.	.	2	.
$912_4 = \chi_{40+}$	5	5	2	3	2	1	.	.	.	.	2
$1026_4 = \chi_{41+}$	6	5	1	3	3	1	.	.	1	1	2
$1026_5 = \chi_{42+}$	1	6	5	1	3	3	1	.	.	.	1
$1026_6 = \chi_{43+}$	5	1	6	3	1	3	.	1	.	2	.
$1026_7 = \chi_{44+}$	5	5	5	3	2	3	1	1	1	1	1
$1026_8 = \chi_{45+}$	5	5	5	3	3	2	1	1	1	1	1
$1026_9 = \chi_{46+}$	5	5	5	2	3	3	1	1	1	1	1
$1026_{10} = \chi_{47+}$	4	3	6	2	2	4	2	2	1	1	.
$1026_{11} = \chi_{48+}$	6	4	3	4	2	2	1	2	2	1	1
$1026_{12} = \chi_{49+}$	3	6	4	2	4	2	2	1	2	.	1
$1134_4 = \chi_{50+}$	3	6	6	2	4	3	1	.	.	.	1
$1134_5 = \chi_{51+}$	6	4	6	4	1	3	1	2	1	1	1
$1134_6 = \chi_{52+}$	6	3	6	3	2	4	.	1	.	2	.
$1134_7 = \chi_{53+}$	6	6	4	3	4	1	1	1	2	1	1
$1134_8 = \chi_{54+}$	6	6	3	4	3	2	.	.	1	1	2
$1134_9 = \chi_{55+}$	4	6	6	1	3	4	2	1	1	1	1

(Block 3:)	φ_{39+}	φ_{43+}	φ_{45+}	φ_{44+}	φ_{48+}	φ_{50+}	φ_{49+}	φ_{53+}	φ_{55+}	φ_{54+}
$114_2 = \chi_{29+}$	.	1	.	.	.	.	.	.	.	.
$114_3 = \chi_{30+}$	.	.	1	.	.	.	.	.	.	.
$114_4 = \chi_{31+}$	.	.	.	1	.	.	.	.	.	.
$378_1 = \chi_{32+}$	.	1	1	1	.	.	.	.	.	.
$378_2 = \chi_{33+}$	.	1	1	1	.	.	.	.	.	.
$378_3 = \chi_{34+}$	.	1	1	1	.	.	.	.	.	.
$798_1 = \chi_{35+}$	.	1	2	1	.	.	1	.	.	.
$798_2 = \chi_{36+}$	1	1	1	2	1	.	.	.	.	.
$798_3 = \chi_{37+}$	1	2	1	1	.	1	.	.	.	.
$912_2 = \chi_{38+}$	2	1	1	.	1	.	.	.	1	.
$912_3 = \chi_{39+}$	.	.	1	1	.	1	.	.	.	1
$912_4 = \chi_{40+}$	.	1	.	1	.	.	1	1	.	.
$1026_4 = \chi_{41+}$	.	1	1	.	.	.	1	1	.	.
$1026_5 = \chi_{42+}$	2	.	1	1	1	.	.	.	1	.
$1026_6 = \chi_{43+}$	1	1	.	1	.	1	.	.	.	1
$1026_7 = \chi_{44+}$	1	2	1	1	.	1	1	.	.	.
$1026_8 = \chi_{45+}$	1	1	2	1	1	.	1	.	.	.
$1026_9 = \chi_{46+}$	1	1	1	2	1	1	.	.	.	.
$1026_{10} = \chi_{47+}$	1	2	2	2	.	1	.	.	.	.
$1026_{11} = \chi_{48+}$	.	2	2	2	.	.	1	.	.	.
$1026_{12} = \chi_{49+}$	1	2	2	2	1	.	.	.	.	.
$1134_4 = \chi_{50+}$	2	1	1	1	1	.	.	.	1	.
$1134_5 = \chi_{51+}$	1	2	1	2	.	1	1	.	.	.
$1134_6 = \chi_{52+}$	1	1	1	1	.	1	.	.	.	1
$1134_7 = \chi_{53+}$	1	2	2	1	1	.	1	.	.	.
$1134_8 = \chi_{54+}$	.	1	1	1	.	.	1	1	.	.
$1134_9 = \chi_{55+}$	1	1	2	2	1	1	.	.	.	.

$$\begin{array}{ll}
\varphi_{23+} = 6_1 & \varphi_{39+} = 48_6 \\
\varphi_{25+} = 6_2 & \varphi_{43+} = 54_2 \\
\varphi_{24+} = 6_3 & \varphi_{45+} = 54_3 \\
\varphi_{28+} = 18_4 & \varphi_{44+} = 54_4 \\
\varphi_{30+} = 18_5 & \varphi_{48+} = 144_4 \\
\varphi_{29+} = 18_6 & \varphi_{50+} = 144_5 \\
\varphi_{33+} = 48_1 & \varphi_{49+} = 144_6 \\
\varphi_{35+} = 48_2 & \varphi_{53+} = 384_1 \\
\varphi_{34+} = 48_3 & \varphi_{55+} = 384_2 \\
\varphi_{38+} = 48_4 & \varphi_{54+} = 384_3 \\
\varphi_{40+} = 48_5 &
\end{array}$$