

$U_4(2).2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	4	23×10
	2	0	$81_1 = \chi_{20,0}, \varphi_{6,0}$
	3	0	$81_2 = \chi_{20,1}, \varphi_{6,1}$
$2.G :$	4	4	13×6

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$10_1 = \chi_{2+}$	.	.	1	1	.	.	.	.	.	.
$6_1 = \chi_{4,0}$	1	.	1	.	.	.	.	.	.	.
$6_2 = \chi_{4,1}$	.	1	.	1	.	.	.	.	.	.
$20_1 = \chi_{5+}$	.	.	.	.	1	1	.	.	.	.
$15_1 = \chi_{7,0}$	.	.	1	.	1	.	.	.	.	.
$15_2 = \chi_{7,1}$	.	.	.	1	.	1	.	.	.	.
$15_3 = \chi_{8,0}$	.	1	.	.	.	.	1	.	.	.
$15_4 = \chi_{8,1}$	1	.	.	.	.	.	.	1	.	.
$20_2 = \chi_{9,0}$	1	.	1	.	.	.	1	.	.	.
$20_3 = \chi_{9,1}$	.	1	.	1	.	.	.	1	.	.
$24_1 = \chi_{10,0}$	.	.	.	.	.	1	1	.	.	.
$24_2 = \chi_{10,1}$	.	.	.	.	1	.	.	1	.	.
$30_1 = \chi_{11,0}$	.	.	1	.	.	.	.	.	1	.
$30_2 = \chi_{11,1}$	.	.	.	1	.	.	.	.	.	1
$60_1 = \chi_{12+}$	1	1	1	1	1	1	1	1	.	.
$80_1 = \chi_{14+}$	.	.	1	1	1	1	.	.	1	1
$90_1 = \chi_{16+}$	.	.	.	.	2	2	.	.	1	1
$60_2 = \chi_{18,0}$	.	1	1	1	.	1	1	.	1	.
$60_3 = \chi_{18,1}$	1	.	1	1	1	.	.	1	.	1
$64_1 = \chi_{19,0}$	.	.	1	.	1	1	1	.	1	.
$64_2 = \chi_{19,1}$	.	.	.	1	1	1	.	1	.	1

$$\begin{array}{ll}
 \varphi_{1,0} &= 1_1 \\
 \varphi_{1,1} &= 1_2 \\
 \varphi_{2,0} &= 5_1 \\
 \varphi_{2,1} &= 5_2 \\
 \varphi_{3,0} &= 10_1 \\
 \varphi_{3,1} &= 10_2 \\
 \varphi_{4,0} &= 14_1 \\
 \varphi_{4,1} &= 14_2 \\
 \varphi_{5,0} &= 25_1 \\
 \varphi_{5,1} &= 25_2
 \end{array}$$

Block 4:	$\varphi_{7,0}$	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	
$8_1 = \chi_{21+}$	1	1	.	.	.	.	
$20_4 = \chi_{23,0}$	.	1	1	.	.	.	
$20_5 = \chi_{23,1}$	1	.	.	1	.	.	
$40_1 = \chi_{24+}$	1	1	1	1	.	.	$\varphi_{7,0} = 4_1$
$40_2 = \chi_{26+}$	1	1	1	1	.	.	$\varphi_{7,1} = 4_2$
$72_1 = \chi_{28+}$	1	1	2	2	.	.	$\varphi_{8,0} = 16_1$
$60_4 = \chi_{30,0}$	1	.	.	1	1	.	$\varphi_{8,1} = 16_2$
$60_5 = \chi_{30,1}$	.	1	1	.	.	1	$\varphi_{9,0} = 40_1$
$120_1 = \chi_{31+}$	1	1	1	1	1	1	$\varphi_{9,1} = 40_2$
$64_3 = \chi_{33,0}$	1	1	1	.	.	1	
$64_4 = \chi_{33,1}$	1	1	.	1	1	.	
$80_2 = \chi_{34,0}$	1	1	1	1	1	.	
$80_3 = \chi_{34,1}$	1	1	1	1	.	1	