

## $U_3(8).6 \pmod{7}$

	blocks	defect	matrix
$G :$	1	1	$7 \times 6$
	2	1	$7 \times 6$
	3	0	$56_1 = \chi_{2,0}, \varphi_{2,0}$
	4	0	$56_2 = \chi_{2,1}, \varphi_{2,1}$
	$5 = \overline{4}$	0	$56_3 = \chi_{2,2}, \varphi_{2,2}$
	$6 = \overline{3}$	0	$56_4 = \chi_{2,3}, \varphi_{2,3}$
	7	0	$56_5 = \chi_{2,4}, \varphi_{2,4}$
	$8 = \overline{7}$	0	$56_6 = \chi_{2,5}, \varphi_{2,5}$
	9	1	$7 \times 6$
	10	0	$133_1 = \chi_{5,0}, \varphi_{5,0}$
	11	0	$133_2 = \chi_{5,1}, \varphi_{5,1}$
	12	0	$133_3 = \chi_{5,2}, \varphi_{5,2}$
	13	0	$133_4 = \chi_{5,3}, \varphi_{5,3}$
	$14 = \overline{12}$	0	$133_5 = \chi_{5,4}, \varphi_{5,4}$
	$15 = \overline{11}$	0	$133_6 = \chi_{5,5}, \varphi_{5,5}$
	16	0	$266_1 = \chi_{6,0+}, \varphi_{6,0+}$
	17	0	$266_2 = \chi_{6,1+}, \varphi_{6,1+}$
	$18 = \overline{17}$	0	$266_3 = \chi_{6,2+}, \varphi_{6,2+}$
	19	0	$1197_1 = \chi_{8,0+}, \varphi_{8,0+}$
	20	0	$1197_2 = \chi_{8,1+}, \varphi_{8,1+}$
	21	0	$3402_1 = \chi_{23+}, \varphi_{14+}$
$3.G :$	22	1	$5 \times 2$
	23	0	$378_1 = \chi_{32,0+}, \varphi_{23,0+}$
	24	0	$378_2 = \chi_{32,1+}, \varphi_{23,1+}$
	$25 = \overline{24}$	0	$378_3 = \chi_{32,2+}, \varphi_{23,2+}$
	26	0	$378_4 = \chi_{33,0+}, \varphi_{24,0+}$
	27	0	$378_5 = \chi_{33,1+}, \varphi_{24,1+}$
	28	0	$378_6 = \chi_{33,2+}, \varphi_{24,2+}$
	$29 = \overline{26}$	0	$378_7 = \chi_{34,0+}, \varphi_{25,0+}$
	$30 = \overline{27}$	0	$378_8 = \chi_{34,2+}, \varphi_{25,2+}$
	$31 = \overline{28}$	0	$378_9 = \chi_{34,1+}, \varphi_{25,1+}$
	32	0	$2394_1 = \chi_{35+}, \varphi_{26+}$
	33	0	$3402_2 = \chi_{50+}, \varphi_{32+}$
	34	0	$3402_3 = \chi_{51+}, \varphi_{33+}$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{1,2}$	$\varphi_{1,4}$	$\varphi_{13,0}$	$\varphi_{13,2}$	$\varphi_{13,4}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	$\varphi_{1,0} = 1_1$
$1_3 = \chi_{1,2}$	.	1	.	.	.	.	$\varphi_{1,2} = 1_3$
$1_5 = \chi_{1,4}$	.	.	1	.	.	.	$\varphi_{1,4} = 1_5$
$512_1 = \chi_{13,0}$	.	.	.	1	.	.	$\varphi_{13,0} = 512_1$
$512_3 = \chi_{13,2}$	.	.	.	.	1	.	$\varphi_{13,2} = 512_3$
$512_5 = \chi_{13,4}$	.	.	.	.	.	1	$\varphi_{13,4} = 512_5$
$1539_1 = \chi_{14,0+}$	1	1	1	1	1	1	

<b>Block 2:</b>	$\varphi_{1,1}$	$\varphi_{1,3}$	$\varphi_{1,5}$	$\varphi_{13,1}$	$\varphi_{13,3}$	$\varphi_{13,5}$	
$1_2 = \chi_{1,1}$	1	.	.	.	.	.	$\varphi_{1,1} = 1_2$
$1_4 = \chi_{1,3}$	.	1	.	.	.	.	$\varphi_{1,3} = 1_4$
$1_6 = \chi_{1,5}$	.	.	1	.	.	.	$\varphi_{1,5} = 1_6$
$512_2 = \chi_{13,1}$	.	.	.	1	.	.	$\varphi_{13,1} = 512_2$
$512_4 = \chi_{13,3}$	.	.	.	.	1	.	$\varphi_{13,3} = 512_4$
$512_6 = \chi_{13,5}$	.	.	.	.	.	1	$\varphi_{13,5} = 512_6$
$1539_2 = \chi_{14,1+}$	1	1	1	1	1	1	

<b>Block 9:</b>	$\varphi_{3,0+}$	$\varphi_{3,1+}$	$\varphi_{3,2+}$	$\varphi_{11,0+}$	$\varphi_{11,1+}$	$\varphi_{11,2+}$	
$114_1 = \chi_{3,0+}$	1	.	.	.	.	.	$\varphi_{3,0+} = 114_1$
$114_2 = \chi_{3,1+}$	.	1	.	.	.	.	$\varphi_{3,1+} = 114_2$
$114_3 = \chi_{3,2+}$	.	.	1	.	.	.	$\varphi_{3,2+} = 114_3$
$912_1 = \chi_{11,0+}$	.	.	.	1	.	.	$\varphi_{11,0+} = 912_1$
$912_2 = \chi_{11,1+}$	.	.	.	.	1	.	$\varphi_{11,1+} = 912_2$
$912_3 = \chi_{11,2+}$	.	.	.	.	.	1	$\varphi_{11,2+} = 912_3$
$3078_1 = \chi_{17+}$	1	1	1	1	1	1	

<b>Block 22:</b>	$\varphi_{20+}$	$\varphi_{29+}$	
$342_1 = \chi_{29+}$	1	.	
$2736_1 = \chi_{38+}$	.	1	$\varphi_{20+} = 342_1$
$3078_2 = \chi_{41+}$	1	1	$\varphi_{29+} = 2736_1$
$3078_3 = \chi_{44+}$	1	1	
$3078_4 = \chi_{47+}$	1	1	