$U_4(3).2_2\pmod{2}$

	blocks	defect	matrix
4.G:	1 2 3	10 2 3	70×8 4×1 5×1
12. <i>G</i> :	4	10	60 × 6
	5 = 4 * 5 6 $7 = 6 * 5$	3	5×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$arphi_{5,0}$	$\varphi_{6,0}$	φ_{7+}	$\varphi_{9,0}$
$1_1 = \chi_{1,0}$	1							
$1_2 = \chi_{1,1}$	1							
$21_1 = \chi_{2,0}$	1	1						
$21_2 = \chi_{2,1}$	1	1			•		•	
$35_1 = \chi_{3,0}$	1		1					
$35_2 = \chi_{3,1}$	1		1		•		•	
$35_3 = \chi_{4,0}$	1			1	•		•	
$35_4 = \chi_{4,1}$	1			1				
$90_1 = \chi_{5,0}$	2	1	1	1				
$90_2 = \chi_{5,1}$	2	1	1	1				
$140_1 = \chi_{6,0}$		1						1
$140_2 = \chi_{6,1}$		1						1
$189_1 = \chi_{7,0}$	1		1	1				1
$189_2 = \chi_{7,1}$	1		1	1				1
$210_1 = \chi_{8,0}$	2	1	1	1				1
$210_2 = \chi_{8,1}$	2	1	1	1				1
$280_1 = \chi_{9,0}$	2	1	1	1	1			1
$280_2 = \chi_{9,1}$	2	1	1	1	1			1
$280_3 = \chi_{10,0}$	2	1	1	1		1		1
$280_4 = \chi_{10,1}$	2	1	1	1	•	1	•	1
$560_1 = \chi_{11+}$	4	2	2	2	•		1	2
$315_1 = \chi_{13,0}$	1	1	1		1	1		1
$315_2 = \chi_{13,1}$	1	1	1		1	1		1
$315_3 = \chi_{14,0}$	1	1		1			1	1
$315_4 = \chi_{14,1}$	1	1		1			1	1
$420_1 = \chi_{15,0}$		1			1	1	1	1
$420_2 = \chi_{15,1}$		1			1	1	1	1
$560_2 = \chi_{16,0}$		2			1	1	1	2
$560_3 = \chi_{16,1}$		2			1	1	1	2
$729_1 = \chi_{19,0}$	1	1	1	1	1	1	1	3
$729_2 = \chi_{19,1}$	1	1	1	1	1	1	1	3
$20_1 = \chi_{21,0}$		1						
$20_2 = \chi_{21,1}$		1			•		•	
$56_1 = \chi_{22,0}$	2	1	1					
$56_2 = \chi_{22,1}$	2	1	1					
$56_3 = \chi_{23,0}$	2	1		1				
$56_4 = \chi_{23,1}$	2	1		1				
$70_1 = \chi_{24,0}$	2		1	1				
$70_2 = \chi_{24,1}$	2		1	1				
$70_3 = \chi_{25,0}$					1			
- / 0,0	l							

(Block 1:)	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$	$\varphi_{4,0}$	$arphi_{5,0}$	$\varphi_{6,0}$	φ_{7+}	$arphi_{9,0}$
$70_4 = \chi_{25,1}$					1			
$70_5 = \chi_{26,0}$						1		
$70_6 = \chi_{26,1}$						1		
$140_3 = \chi_{27+}$							1	
$120_1 = \chi_{29,0}$								1
$120_2 = \chi_{29,1}$								1
$420_3 = \chi_{30+}$	4	2	2	2				2
$504_1 = \chi_{32,0}$	2	1	2	1	1	1		2
$504_2 = \chi_{32,1}$	2	1	2	1	1	1		2
$504_3 = \chi_{33,0}$	2	1	1	2			1	2
$504_4 = \chi_{33,1}$	2	1	1	2			1	2
$540_1 = \chi_{34,0}$		1			1	1	1	2
$540_2 = \chi_{34,1}$		1			1	1	1	2
$560_4 = \chi_{35,0}$		2			1	1	1	2
$560_5 = \chi_{35,1}$		2			1	1	1	2
$630_1 = \chi_{36,0}$	2	2	1	1	1	1	1	2
$630_2 = \chi_{36,1}$	2	2	1	1	1	1	1	2
$40_1 = \chi_{40+}$		2						
$240_1 = \chi_{41+}$								2
$280_5 = \chi_{42+}$		2						2
$448_1 = \chi_{43+}$			2			2		2
$448_2 = \chi_{44+}$			2		2			2
$448_3 = \chi_{45+}$				2			1	2
$448_4 = \chi_{46+}$				2			1	2
$560_6 = \chi_{47+}$	8	2	4	4				2
$560_7 = \chi_{48+}$		2		•	2	2		2
$560_8 = \chi_{49+}$		2		•			2	2
$840_1 = \chi_{50+}$		2		•	2	2	2	2
$1080_1 = \chi_{51+}$		2		•	2	2	2	4
$1680_1 = \chi_{54+}$	8	6	4	4	2	2	2	6

$\varphi_{1,0}$	=	1_1
$\varphi_{2,0}$	=	20_{1}
$\varphi_{3,0}$	=	34_{1}
$\varphi_{4,0}$	=	34_{2}
$\varphi_{5,0}$	=	70_{1}
$\varphi_{6,0}$	=	70_{2}
φ_{7+}	=	140_{1}
$\varphi_{9,0}$	=	120_{1}

Block 2:	φ_{10+}
$1280_1 = \chi_{17+}$	1
$1280_2 = \chi_{37+}$	1
$1280_3 = \chi_{52+} $ $1280_4 = \chi_{53+}$	1 1

$$\varphi_{10+} = 1280_1$$

Block 3:	$\varphi_{12,0}$
$896_1 = \chi_{20,0} \\ 896_2 = \chi_{20,1}$	1 1
$896_3 = \chi_{39,0} \\ 896_4 = \chi_{39,1}$	1 1
$1792_1 = \chi_{55+}$	2

 $\varphi_{12,0} = 896_1$

Block 4:	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{15,0}$	$\varphi_{16,0}$	φ_{17+}	$\varphi_{19,0}$
$15_1 = \chi_{56,0}$		1				
$15_2 = \chi_{56,1}$		1				
$21_3 = \chi_{57,0}$	1	1				
$21_4 = \chi_{57,1}$	1	1				
$105_1 = \chi_{58,0}$		1		1	•	
$105_2 = \chi_{58,1}$		1		1	•	
$105_5 = \chi_{59,0}$		1		1		
$105_6 = \chi_{59,1}$		1		1		
$105_9 = \chi_{60,0}$	1	1	1			
$105_{10} = \chi_{60,1}$	1	1	1			
$210_3 = \chi_{61,0}$	1	2	1	1		
$210_4 = \chi_{61,1}$	1	2	1	1		
$315_5 = \chi_{62,0}$	2	1	1			1
$315_6 = \chi_{62,1}$	2	1	1			1
$336_1 = \chi_{63,0}$	2	2		1		1
$336_2 = \chi_{63,1}$	2	2		1		1
$720_1 = \chi_{64+}$	2	•			1	2
$420_4 = \chi_{67,0}$		2		1	1	
$420_5 = \chi_{67,1}$		2		1	1	
$630_3 = \chi_{68,0}$	1	2		1	1	1
$630_4 = \chi_{68,1}$	1	2		1	1	1
$729_3 = \chi_{69,0}$	1	3	1	1	1	1
$729_4 = \chi_{69,1}$	1	3	1	1	1	1
$756_1 = \chi_{70,0}$	2	4	•	2	1	1
$756_2 = \chi_{70,1}$	2	4	•	2	1	1
$945_1 = \chi_{71,0}$	3	3	1	1	1	2
$945_2 = \chi_{71,1}$	3	3	1	1	1	2
$6_1 = \chi_{72,0}$	1					
$6_2 = \chi_{72,1}$	1					
$84_1 = \chi_{73,0}$			1			
$84_2 = \chi_{73,1}$			1			
$120_3 = \chi_{74,0}$	1	2	1			
$120_4 = \chi_{74,1}$	1	2	1			
$126_1 = \chi_{75,0}$	1	2	•	1	•	
$126_2 = \chi_{75,1}$	1	2		1	•	•
$210_7 = \chi_{76,0}$	1	•	•			1
$210_8 = \chi_{76,1}$	1	•			•	1
$540_3 = \chi_{77+}$		4		2	1	
$336_5 = \chi_{79,0}$	2	2		1		1
$336_6 = \chi_{79,1}$	2	2	•	1		1

(Block 4:)	$\varphi_{13,0}$	$\varphi_{14,0}$	$\varphi_{15,0}$	$\varphi_{16,0}$	φ_{17+}	$\varphi_{19,0}$
$420_8 = \chi_{81,0}$	2	2	1	1		1
$420_9 = \chi_{81,1}$	2	2	1	1		1
$630_7 = \chi_{82,0}$	1	2	•	1	1	1
$630_8 = \chi_{82,1}$	1	2		1	1	1
$1260_1 = \chi_{83+}$	2	4		2	2	2
$840_2 = \chi_{85,0}$	2	4	1	2	1	1
$840_3 = \chi_{85,1}$	2	4	1	2	1	1
$840_6 = \chi_{86,0}$	3	2	1		1	2
$840_7 = \chi_{86,1}$	3	2	1	•	1	2
$168_1 = \chi_{87+}$			2			
$240_2 = \chi_{88+}$		4		2		
$432_1 = \chi_{89+}$	4					2
$840_{10} = \chi_{91+}$	4	4	2	2		2
$840_{12} = \chi_{92+}$		4		2	2	
$960_1 = \chi_{93+}$	4	4	2		1	2
$960_3 = \chi_{94+}$	4	4	2		1	2
$1008_1 = \chi_{95+}$					2	2
$1512_1 = \chi_{96+}$	4	8		4	2	2
$1680_2 = \chi_{97+}$	4	4	•	2	2	4
$1680_4 = \chi_{98+}$	4	8	2	4	2	2

$\varphi_{13,0}$	=	6_1
$\varphi_{14,0}$	=	15_{1}
$\varphi_{15,0}$	=	84_{1}
$\varphi_{16,0}$	=	90_{1}
φ_{17+}	=	300_{1}
$\varphi_{19,0}$	=	204_{1}

Block 6:	$\varphi_{20,0}$
$384_1 = \chi_{66,0}$ $384_2 = \chi_{66,1}$	1 1
$384_5 = \chi_{80,0} 384_6 = \chi_{80,1}$	1 1
$768_1 = \chi_{90+}$	2

$$\varphi_{20,0} = 384_1$$