

$G_2(3).2 \pmod{3}$

	blocks	defect	matrix
$3.G :$	1	7	36×7
	2	1	3×2

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	φ_{2+}	φ_{4+}	$\varphi_{6,0}$	$\varphi_{6,1}$	φ_{7+}	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.
$14_1 = \chi_{2,0}$	.	.	1	.	.	.	.
$14_2 = \chi_{2,1}$	.	.	1	.	.	.	.
$64_1 = \chi_{3,0}$	1	.	1	.	1	.	.	
$64_2 = \chi_{3,1}$	.	1	1	.	.	1	.	
$64_3 = \chi_{4,0}$	1	.	1	.	1	.	.	
$64_4 = \chi_{4,1}$	.	1	1	.	.	1	.	
$78_1 = \chi_{5,0}$	.	1	2	.	1	.	.	
$78_2 = \chi_{5,1}$	1	.	2	.	.	1	.	
$91_1 = \chi_{6,0}$	.	.	3	.	1	.	.	
$91_2 = \chi_{6,1}$	.	.	3	.	.	1	.	
$182_1 = \chi_{7+}$	1	1	2	1	1	1	.	
$104_1 = \chi_{9,0}$	1	.	.	1	1	.	.	
$104_2 = \chi_{9,1}$	.	1	.	1	.	1	.	$\varphi_{1,0} = 1_1$
$168_1 = \chi_{10,0}$	1	1	1	1	1	1	.	$\varphi_{1,1} = 1_2$
$168_2 = \chi_{10,1}$	1	1	1	1	1	1	.	$\varphi_{2+} = 14_1$
$364_1 = \chi_{11+}$	2	2	4	2	2	2	.	$\varphi_{4+} = 54_1$
$546_1 = \chi_{13+}$	.	.	5	.	1	1	1	$\varphi_{6,0} = 49_1$
$896_1 = \chi_{15+}$	2	2	8	2	3	3	1	$\varphi_{6,1} = 49_2$
$1092_1 = \chi_{17+}$	3	3	11	3	4	4	1	$\varphi_{7+} = 378_1$
$1456_1 = \chi_{19+}$	2	2	14	2	4	4	2	
$819_1 = \chi_{22,0}$	2	2	6	2	4	1	1	
$819_2 = \chi_{22,1}$	2	2	6	2	1	4	1	
$832_1 = \chi_{23,0}$	2	1	7	2	3	2	1	
$832_2 = \chi_{23,1}$	1	2	7	2	2	3	1	
$54_1 = \chi_{24+}$	.	.	.	1	.	.	.	
$54_2 = \chi_{25+}$	.	.	.	1	.	.	.	
$378_1 = \chi_{26+}$	.	.	.	.	.	.	1	
$378_2 = \chi_{27+}$	.	.	.	.	.	.	1	
$702_1 = \chi_{28+}$	5	5	6	4	4	4	.	
$702_2 = \chi_{29+}$	1	1	9	.	2	2	1	
$702_3 = \chi_{30+}$	1	1	9	.	2	2	1	
$756_1 = \chi_{31+}$	1	1	9	1	2	2	1	
$756_2 = \chi_{32+}$	1	1	9	1	2	2	1	
$3456_1 = \chi_{34+}$	7	7	30	8	11	11	4	

Block 2₁, 2₂:	$\varphi_{9,0}$	$\varphi_{9,1}$
$729_1 = \chi_{21,0}$	1	.
$729_2 = \chi_{21,1}$	.	1
$1458_1 = \chi_{33+}$	1	1

$$\begin{aligned} \varphi_{9,0} &= 729_1 \\ \varphi_{9,1} &= 729_2 \end{aligned}$$