

## ${}^2F_4(2)'$ (mod 3)

	blocks	defect	matrix
$G :$	1	3	$13 \times 9$
	2	0	$27_1 = \chi_4, \varphi_4$
	$3 = \bar{2}$	0	$27_2 = \chi_5, \varphi_5$
	4	0	$351_1 = \chi_9, \varphi_9$
	5	0	$351_2 = \chi_{10}, \varphi_{10}$

	blocks	defect	matrix
	$6 = \bar{5}$	0	$351_3 = \chi_{11}, \varphi_{11}$
	7	0	$675_1 = \chi_{15}, \varphi_{13}$
	8	0	$702_1 = \chi_{16}, \varphi_{14}$
	9	0	$702_2 = \chi_{17}, \varphi_{15}$
	10	0	$1728_1 = \chi_{20}, \varphi_{18}$

<b>Block 1:</b>	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_6$	$\varphi_7$	$\varphi_8$	$\varphi_{12}$	$\varphi_{16}$	$\varphi_{17}$	
$1_1 = \chi_1$	1	.	.	.	.	.	.	.	.	
$26_1 = \chi_2$	.	1	.	.	.	.	.	.	.	$\varphi_1 = 1_1$
$26_2 = \chi_3$	.	.	1	.	.	.	.	.	.	$\varphi_2 = 26_1$
$78_1 = \chi_6$	1	.	.	1	.	.	.	.	.	$\varphi_3 = 26_2$
$300_1 = \chi_7$	.	1	1	.	1	1	.	.	.	$\varphi_6 = 77_1$
$325_1 = \chi_8$	.	.	.	1	1	1	.	.	.	$\varphi_7 = 124_1$
$624_1 = \chi_{12}$	.	1	1	.	.	.	1	.	.	$\varphi_8 = 124_2$
$624_2 = \chi_{13}$	.	1	1	.	.	.	1	.	.	$\varphi_{12} = 572_1$
$650_1 = \chi_{14}$	1	.	.	1	.	.	1	.	.	$\varphi_{16} = 1099_1$
$1300_1 = \chi_{18}$	.	.	.	1	1	.	.	.	1	$\varphi_{17} = 1099_2$
$1300_2 = \chi_{19}$	.	.	.	1	.	1	.	1	.	
$2048_1 = \chi_{21}$	.	1	1	1	1	1	1	1	.	
$2048_2 = \chi_{22}$	.	1	1	1	1	1	1	.	1	