

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 3.Suz$ (no. 2)

$H = U_5(2) \rightarrow (Suz, 4)$

rank: 14

degree: 98280

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8
$1a$	1	1	1	891	891	891	2816	2816
$143a$	1	1	1	243	243	243	512	512
$364a$	1	1	1	-99	-99	-99	176	176
$5940a$	1	1	1	33	33	33	8	8
$12012a$	1	1	1	-27	-27	-27	32	32
$14300a$	1	1	1	9	9	9	-40	-40
$78a$	1	$z3$	$z3^{**}$	-297	$-297z3$	$-297z3^{**}$	704	$704z3$
$78b$	1	$z3^{**}$	$z3$	-297	$-297z3^{**}$	$-297z3$	704	$704z3^{**}$
$1365a$	1	$z3$	$z3^{**}$	99	$99z3$	$99z3^{**}$	176	$176z3$
$1365b$	1	$z3^{**}$	$z3$	99	$99z3^{**}$	$99z3$	176	$176z3^{**}$
$4290a$	1	$z3$	$z3^{**}$	-45	$-45z3$	$-45z3^{**}$	32	$32z3$
$4290b$	1	$z3^{**}$	$z3$	-45	$-45z3^{**}$	$-45z3$	32	$32z3^{**}$
$27027a$	1	$z3$	$z3^{**}$	3	$3z3$	$3z3^{**}$	-16	$-16z3$
$27027b$	1	$z3^{**}$	$z3$	3	$3z3^{**}$	$3z3$	-16	$-16z3^{**}$

	O_9	O_{10}	O_{11}	O_{12}	O_{13}	O_{14}
$1a$	2816	5940	19008	20736	20736	20736
$143a$	512	-540	-1728	0	0	0
$364a$	176	990	-792	-144	-144	-144
$5940a$	8	90	288	-168	-168	-168
$12012a$	32	-90	72	0	0	0
$14300a$	-40	18	-144	72	72	72
$78a$	$704z3^{**}$	0	0	-1728	$-1728z3$	$-1728z3^{**}$
$78b$	$704z3$	0	0	-1728	$-1728z3^{**}$	$-1728z3$
$1365a$	$176z3^{**}$	0	0	144	$144z3$	$144z3^{**}$
$1365b$	$176z3$	0	0	144	$144z3^{**}$	$144z3$
$4290a$	$32z3^{**}$	0	0	288	$288z3$	$288z3^{**}$
$4290b$	$32z3$	0	0	288	$288z3^{**}$	$288z3$
$27027a$	$-16z3^{**}$	0	0	-48	$-48z3$	$-48z3^{**}$
$27027b$	$-16z3$	0	0	-48	$-48z3^{**}$	$-48z3$

$$z3 = (-1 + \sqrt{-3})/2$$

$$z3^{**} = (-1 - \sqrt{-3})/2$$

References

[Lin] S. A. Linton. private communication.