

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.Suz$ (no. 1)

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

rank: 10

degree: 65520

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8
$1a$	1	1	891	891	2816	2816	3960	12672
$143a$	1	1	243	243	512	512	-360	-1152
$364a$	1	1	-99	-99	176	176	660	-528
$5940a$	1	1	33	33	8	8	60	192
$12012a$	1	1	-27	-27	32	32	-60	48
$14300a$	1	1	9	9	-40	-40	12	-96
$364b$	1	-1	$99+198z3^{**}$	$99+198z3$	352	-352	0	0
$364c$	1	-1	$99+198z3$	$99+198z3^{**}$	352	-352	0	0
$16016a$	1	-1	$9+18z3^{**}$	$9+18z3$	-8	8	0	0
$16016b$	1	-1	$9+18z3$	$9+18z3^{**}$	-8	8	0	0

	O_9	O_{10}
$1a$	20736	20736
$143a$	0	0
$364a$	-144	-144
$5940a$	-168	-168
$12012a$	0	0
$14300a$	72	72
$364b$	$288+576z3^{**}$	$288+576z3$
$364c$	$288+576z3$	$288+576z3^{**}$
$16016a$	$72+144z3$	$72+144z3^{**}$
$16016b$	$72+144z3^{**}$	$72+144z3$

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

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

References

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