

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 6.Suz.2$ (no. 1)

$H = U_5(2).2 \rightarrow (Suz.2, 8)$

rank: 16

degree: 196560

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}	O_{11}
$1a^+$	1	1	2	2	1782	1782	1782	2816	2816	5632	5632
$143a^-$	1	1	2	2	486	486	486	512	512	1024	1024
$364a^+$	1	1	2	2	-198	-198	-198	176	176	352	352
$5940a^+$	1	1	2	2	66	66	66	8	8	16	16
$12012a^-$	1	1	2	2	-54	-54	-54	32	32	64	64
$14300a^-$	1	1	2	2	18	18	18	-40	-40	-80	-80
$364bc$	1	-1	2	-2	0	0	0	-352	352	-704	704
$16016ab$	1	-1	2	-2	0	0	0	8	-8	16	-16
$78ab$	1	1	-1	-1	297	297	-594	704	704	-704	-704
$1365ab$	1	1	-1	-1	-99	-99	198	176	176	-176	-176
$4290ab$	1	1	-1	-1	45	45	-90	32	32	-32	-32
$27027ab$	1	1	-1	-1	-3	-3	6	-16	-16	16	16
$12ab$	1	-1	-1	1	891	-891	0	-1408	1408	1408	-1408
$924ab$	1	-1	-1	1	189	-189	0	-160	160	160	-160
$4368ab$	1	-1	-1	1	-99	99	0	-88	88	88	-88
$27456ab$	1	-1	-1	1	9	-9	0	20	-20	-20	20

	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	11880	38016	41472	41472	41472
$143a^-$	-1080	-3456	0	0	0
$364a^+$	1980	-1584	-288	-288	-288
$5940a^+$	180	576	-336	-336	-336
$12012a^-$	-180	144	0	0	0
$14300a^-$	36	-288	144	144	144
$364bc$	0	0	0	0	0
$16016ab$	0	0	0	0	0
$78ab$	0	0	1728	1728	-3456
$1365ab$	0	0	-144	-144	288
$4290ab$	0	0	-288	-288	576
$27027ab$	0	0	48	48	-96
$12ab$	0	0	-10368	10368	0
$924ab$	0	0	864	-864	0
$4368ab$	0	0	72	-72	0
$27456ab$	0	0	-36	36	0

References

- [Mül08] J. Müller. On the multiplicity-free actions of the sporadic simple groups. *J. Algebra*, 320:910–926, 2008.