

Character Tables of Multiplicity-Free Endomorphism Rings

$G = \text{Suz}.2$ (no. 13)

$H = 2^{4+6} : 3S_6$

rank: 13

degree: 405405

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	60	480	1536	1920	6144	6144	20480	23040	23040
$364a^+$	1	-15	30	336	120	-96	1104	-1120	-360	-2160
$780a^+$	1	27	84	216	336	864	-192	1472	864	72
$1001a^+$	1	15	-60	-156	300	1104	96	-1120	-720	-180
$5940a^+$	1	21	90	-24	48	-96	216	-112	576	-360
$12012a^-$	1	-15	30	-96	120	-96	96	320	-360	0
$14300a^-$	1	-3	18	24	-96	96	264	-16	-144	360
$15795a^+$	1	7	-36	116	76	-96	48	112	-96	172
$25025a^+$	1	15	36	-12	12	-48	-96	-160	-144	252
$66560a^+$	1	6	0	6	-42	24	-24	128	-144	-180
$75075a^+$	1	-9	12	36	12	0	-48	-112	0	-36
$88452a^+$	1	-5	0	-16	-20	24	-24	40	120	40
$100100a^+$	1	3	-24	-24	12	-24	24	-40	72	0

	O_{11}	O_{12}	O_{13}
$1a^+$	46080	92160	184320
$364a^+$	2880	-5040	4320
$780a^+$	-1440	-2880	576
$1001a^+$	720	1440	-1440
$5940a^+$	-96	744	-1008
$12012a^-$	0	0	0
$14300a^-$	-288	-72	-144
$15795a^+$	240	240	-784
$25025a^+$	144	-288	288
$66560a^+$	9	144	72
$75075a^+$	-144	144	144
$88452a^+$	240	-120	-280
$100100a^+$	-144	-72	216

References

- [Höh01] I. Höhler. Vielfachheitsfreie Permutationsdarstellungen und die Invarianten zugehöriger Graphen. Examensarbeit, RWTH Aachen, 2001.