

Character Tables of Multiplicity-Free Endomorphism Rings

$G = \text{Suz}.2$ (no. 11)

$H = 2_-^{1+6}.U_4(2) < 2_-^{1+6}.U_4(2).2$

rank: 18

degree: 270270

	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	54	54	360	360	1728	1728	5120	5120	9216
$1a^-$	1	-1	54	-54	-360	360	-1728	1728	5120	-5120	-9216
$143a^+$	1	-1	-27	27	-90	90	-432	432	800	-800	1152
$143a^-$	1	1	-27	-27	90	90	432	432	800	800	-1152
$780a^+$	1	1	21	21	30	30	276	276	-160	-160	768
$780a^-$	1	-1	21	-21	-30	30	-276	276	-160	160	-768
$3432a^+$	1	1	3	3	-60	-60	132	132	200	200	48
$3432a^-$	1	-1	3	-3	60	-60	-132	132	200	-200	-48
$5940a^+$	1	1	15	15	48	48	12	12	128	128	-144
$5940a^-$	1	-1	15	-15	-48	48	-12	12	128	-128	144
$14300a^+$	1	-1	-9	9	-24	24	36	-36	80	-80	-144
$14300a^-$	1	1	-9	-9	24	24	-36	-36	80	80	144
$18954a^+$	1	-1	-11	11	-10	10	-48	48	-80	80	64
$18954a^-$	1	1	-11	-11	10	10	48	48	-80	-80	-64
$25025a^+$	1	1	9	9	6	6	0	0	-64	-64	0
$25025a^-$	1	-1	9	-9	-6	6	0	0	-64	64	0
$66560a^+$	1	1	0	0	-12	-12	-18	-18	8	8	-9
$66560a^-$	1	-1	0	0	12	-12	18	-18	8	-8	9

	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}	O_{17}	O_{18}
$1a^+$	9216	17280	17280	46080	46080	55296	55296
$1a^-$	9216	17280	-17280	-46080	46080	-55296	55296
$143a^+$	-1152	-2160	2160	1440	-1440	-3456	3456
$143a^-$	-1152	-2160	-2160	-1440	-1440	3456	3456
$780a^+$	768	120	120	-1440	-1440	384	384
$780a^-$	768	120	-120	1440	-1440	-384	384
$3432a^+$	48	-60	-60	360	360	-624	-624
$3432a^-$	48	-60	60	-360	360	624	-624
$5940a^+$	-144	276	276	-96	-96	-240	-240
$5940a^-$	-144	276	-276	96	-96	240	-240
$14300a^+$	144	-108	108	-48	48	144	-144
$14300a^-$	144	-108	-108	48	48	-144	-144
$18954a^+$	-64	80	-80	-80	80	64	-64
$18954a^-$	-64	80	80	80	80	-64	-64
$25025a^+$	0	-144	-144	192	192	0	0
$25025a^-$	0	-144	144	-192	192	0	0
$66560a^+$	-9	36	36	-96	-96	90	90
$66560a^-$	-9	36	-36	96	-96	-90	90

References

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