

Character Tables of Multiplicity-Free Endomorphism Rings

$G = \text{Suz}.2$ (no. 7)

$H = 3_2.U_4(3) < 3_2.U_4(3).2^2$

rank: 16

degree: 91520

	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	1	1	486	486	486	486	560	560	8505
$1a^-$	1	-1	1	-1	-486	486	-486	486	560	-560	-8505
$143a^+$	1	1	-1	-1	-162	-162	162	162	0	0	-945
$143a^-$	1	-1	-1	1	162	-162	-162	162	0	0	945
$364a^+$	1	1	1	1	-54	-54	-54	-54	160	160	405
$364a^-$	1	-1	1	-1	54	-54	54	-54	160	-160	-405
$780a^+$	1	1	1	1	90	90	90	90	-56	-56	189
$780a^-$	1	-1	1	-1	-90	90	-90	90	-56	56	-189
$5940a^+$	1	1	1	1	18	18	18	18	40	40	-75
$5940a^-$	1	-1	1	-1	-18	18	-18	18	40	-40	75
$10725a^+$	1	1	-1	-1	-18	-18	18	18	0	0	63
$10725a^-$	1	-1	-1	1	18	-18	-18	18	0	0	-63
$12012a^+$	1	1	-1	-1	18	18	-18	-18	0	0	-45
$12012a^-$	1	-1	-1	1	-18	18	18	-18	0	0	45
$15795a^+$	1	1	1	1	-10	-10	-10	-10	-16	-16	9
$15795a^-$	1	-1	1	-1	10	-10	10	-10	-16	16	-9

	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	8505	8505	8505	27216	27216
$1a^-$	8505	8505	-8505	-27216	27216
$143a^+$	-945	945	945	0	0
$143a^-$	-945	945	-945	0	0
$364a^+$	405	405	405	-864	-864
$364a^-$	405	405	-405	864	-864
$780a^+$	189	189	189	-504	-504
$780a^-$	189	189	-189	504	-504
$5940a^+$	-75	-75	-75	72	72
$5940a^-$	-75	-75	75	-72	72
$10725a^+$	63	-63	-63	0	0
$10725a^-$	63	-63	63	0	0
$12012a^+$	-45	45	45	0	0
$12012a^-$	-45	45	-45	0	0
$15795a^+$	9	9	9	16	16
$15795a^-$	9	9	-9	-16	16

References

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