

Character Tables of Multiplicity-Free Endomorphism Rings

$G = J_2.2$ (no. 9)

$H = 2^{2+4}.(3 \times S_3) < 2^{2+4}.(S_3 \times S_3)$

rank: 12

degree: 1050

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}	O_{11}	O_{12}
$1a^+$	1	1	12	12	32	32	96	96	192	192	192	192
$1a^-$	1	-1	12	-12	32	-32	-96	96	-192	-192	192	192
$36a^+$	1	1	7	7	-8	-8	16	16	-28	12	-28	12
$36a^-$	1	-1	7	-7	-8	8	-16	16	28	-12	-28	12
$63a^+$	1	1	-3	-3	12	12	6	6	-18	2	-18	2
$63a^-$	1	-1	-3	3	12	-12	-6	6	18	-2	-18	2
$90a^+$	1	1	5	5	4	4	-2	-2	10	-18	10	-18
$90a^-$	1	-1	5	-5	4	-4	2	-2	-10	18	10	-18
$160a^+$	1	1	0	0	-1	-1	-12	-12	0	12	0	12
$160a^-$	1	-1	0	0	-1	1	12	-12	0	-12	0	12
$175a^+$	1	1	-3	-3	-4	-4	6	6	6	-6	6	-6
$175a^-$	1	-1	-3	3	-4	4	-6	6	-6	6	6	-6

References

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