

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{22}.2$ (no. 4)

$H = 2^4 : A_5 < 2^4 : S_6$

rank: 10

degree: 924

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	5	5	96	96	120	120	240	240
$1a^-$	1	-1	-5	5	-96	96	-120	120	-240	240
$21a^+$	1	1	5	5	-36	-36	10	10	20	20
$21a^-$	1	-1	-5	5	36	-36	-10	10	-20	20
$55a^+$	1	1	5	5	12	12	-6	-6	-12	-12
$55a^-$	1	-1	-5	5	-12	12	6	-6	12	-12
$154a^+$	1	1	-1	-1	0	0	12	12	-12	-12
$154a^-$	1	-1	1	-1	0	0	-12	12	12	-12
$231a^+$	1	-1	1	-1	0	0	8	-8	-8	8
$231a^-$	1	1	-1	-1	0	0	-8	-8	8	8

References

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