

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{12}.2$ (no. 6)

$H = 3^2.2.S_4 < M_{12}$

rank: 9

degree: 440

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	4	12	27	36	72	72	108	108
$1a^-$	1	-4	12	27	-36	-72	72	-108	108
$11ab$	1	0	-4	15	0	0	-24	0	12
$54a^+$	1	-r5	1	5	2r5	4r5	6	-5r5	-13
$54a^-$	1	r5	1	5	-2r5	-4r5	6	5r5	-13
$55a^+$	1	3	5	-3	6	0	-6	-9	3
$55a^-$	1	-3	5	-3	-6	0	-6	9	3
$99a^+$	1	1	-3	-3	-6	8	2	-3	3
$99a^-$	1	-1	-3	-3	6	-8	2	3	3

r5 = $Sqrt(5)$

References

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