

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.M_{12}$ (no. 7)
 $H = 3^2.2.S_4 \rightarrow (M_{12}, 11)$
rank: 9
degree: 440

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a$	1	1	12	12	54	72	72	108	108
$11a$	1	1	-4	-4	30	-24	-24	12	12
$54a$	1	1	1	1	10	6	6	-13	-13
$55a$	1	1	5	5	-6	-6	-6	3	3
$99a$	1	1	-3	-3	-6	2	2	3	3
$12a$	1	-1	8	-8	0	0	0	-36	36
$44a$	1	-1	3	-3	0	-6i5	6i5	9	-9
$44b$	1	-1	3	-3	0	6i5	-6i5	9	-9
$120b$	1	-1	-3	3	0	0	0	-3	3

i5 = $Sqrt(-5)$

References

[Lin] S. A. Linton. private communication.