

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{24}$ (no. 12)

$H = 2^6 : (7 : 3 \times S_3) < 2^6 : (L_3(2) \times S_3)$

rank: 11

degree: 30360

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}	O_{11}
$1a$	1	7	168	168	224	224	2688	2688	8064	8064	8064
$252a$	1	7	76	76	40	40	-72	-72	-216	-216	336
$483a$	1	7	36	36	-40	-40	48	48	144	144	-384
$1035a$	1	7	-12	-12	40	40	16	16	48	48	-192
$1265a$	1	-1	12	-12	-8	8	0	0	-288	288	0
$1771a$	1	-1	-24	24	-32	32	0	0	0	0	0
$2024a$	1	7	-12	-12	-16	-16	-12	-12	-36	-36	144
$2277a$	1	-1	12	-12	-8	8	112	-112	48	-48	0
$5313a$	1	-1	12	-12	-8	8	-48	48	48	-48	0
$5544a$	1	-1	-4	4	8	-8	60	60	-60	-60	0
$10395a$	1	-1	-4	4	8	-8	-32	-32	32	32	0

References

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