

Character Tables of Multiplicity-Free Endomorphism Rings

$G = J_3$ (no. 1)

$H = L_2(16).2$

rank: 8

degree: 6156

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a$	1	85	120	510	680	1360	1360
$323a$	1	13	12	-30	-40	28-36r5	28+36r5
$323b$	1	13	12	-30	-40	28+36r5	28-36r5
$324a$	1	-17	-18	0	0	68	68
$1140a$	1	13	-6	6	32	-8	-8
$1215a$	1	-4-r17	-6+2r17	-11-5r17	-2+6r17	-8	-8
$1215b$	1	-4+r17	-6-2r17	-11+5r17	-2-6r17	-8	-8
$1615a$	1	-5	12	24	-4	-8	-8

	O_8
$1a$	2040
$323a$	-12
$323b$	-12
$324a$	-102
$1140a$	-30
$1215a$	38-2r17
$1215b$	38+2r17
$1615a$	-12

r17 = $Sqrt(17)$

r5 = $Sqrt(5)$

References

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