

Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{11}$ (no. 4)

$H = 11 : 5 < L_2(11)$

rank: 6

degree: 144

	O_1	O_2	O_3	O_4	O_5	O_6
$1a$	1	11	11	11	55	55
$11a$	1	-1	-1	11	-5	-5
$16a$	1	$-1+3b_{11}^*$	$-1+3b_{11}$	-1	-5	10
$16b$	1	$-1+3b_{11}$	$-1+3b_{11}^*$	-1	-5	10
$45a$	1	3	3	-1	-5	-1
$55a$	1	-1	-1	-1	7	-5

$b_{11} = (-1 + \text{Sqrt}(-11))/2$

$b_{11}^* = (-1 - \text{Sqrt}(-11))/2$

References

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