

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.M_{12}.2$ (no. 2)
 $H = L_2(11).2 \rightarrow (M_{12}.2, 2)$
rank: 7
degree: 288

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a^+$	1	1	22	22	55	55	132
$11ab$	1	1	10	10	-5	-5	-12
$55a^+$	1	1	-2	-2	7	7	-12
$66a^+$	1	1	-2	-2	-5	-5	12
$12a^+$	1	-1	$10+2r_3$	$-10-2r_3$	$5-10r_3$	$-5+10r_3$	0
$12a^-$	1	-1	$10-2r_3$	$-10+2r_3$	$5+10r_3$	$-5-10r_3$	0
$120b^-$	1	-1	-2	2	-1	1	0

$r_3 = Sqrt(3)$

References

[Mül08] J. Müller. On the multiplicity-free actions of the sporadic simple groups. *J. Algebra*, 320:910–926, 2008.