

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.M_{22}.2$ (no. 4)
 $H = 2^3 : L_3(2) \times 2 \rightarrow (M_{22}.2, 11)$
 rank: 7
 degree: 660

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a^+$	1	1	14	84	112	112	336
$21a^+$	1	1	-8	18	24	24	-60
$55a^+$	1	1	8	18	-8	-8	-12
$99a^+$	1	1	-6	4	-8	-8	16
$154a^+$	1	1	2	-12	4	4	0
$120a^-$	1	-1	0	0	14	-14	0
$210b^-$	1	-1	0	0	-8	8	0

References

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