

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.M_{22}.2$ (no. 1)
 $H = 2^4 : S_5 \rightarrow (M_{22}.2, 6)$
 rank: 7
 degree: 924

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a^+$	1	1	10	120	120	192	480
$21a^+$	1	1	10	10	10	-72	40
$55a^+$	1	1	10	-6	-6	24	-24
$154a^+$	1	1	-2	12	12	0	-24
$231a^-$	1	1	-2	-8	-8	0	16
$126ab$	1	-1	0	10	-10	0	0
$210b^-$	1	-1	0	-12	12	0	0

References

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