

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 3.Fi_{22}.2$ (no. 1)

$H = O_8^+(2) : S_3 \times 2 \rightarrow (Fi_{22}.2, 4)$

rank: 7

degree: 185328

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a^+$	1	2	1575	3150	37800	67200	75600
$3080a^+$	1	2	171	342	-108	-192	-216
$13650a^+$	1	2	-9	-18	-216	672	-432
$45045a^+$	1	2	-9	-18	72	-192	144
$351ab$	1	-1	375	-375	1800	0	-1800
$19305ab$	1	-1	39	-39	-216	0	216
$42120ab$	1	-1	-21	21	84	0	-84

References

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