

Character Tables of Multiplicity-Free Endomorphism Rings

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

$H = O_8^+(2) : 3 \times 2 \rightarrow (Fi_{22}.2, 6)$

rank: 9

degree: 247104

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	1	2	3150	3150	22400	22400	44800	151200
$1001a^-$	1	1	-2	-450	450	800	800	-1600	0
$3080a^+$	1	1	2	342	342	-64	-64	-128	-432
$10725a^+$	1	1	-2	126	-126	224	224	-448	0
$13650a^+$	1	1	2	-18	-18	224	224	448	-864
$45045a^+$	1	1	2	-18	-18	-64	-64	-128	288
$50050a^+$	1	1	-2	-18	18	-64	-64	128	0
$13728ab$	1	-1	0	0	0	-280	280	0	0
$48048bc$	1	-1	0	0	0	80	-80	0	0

References

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