

Character Tables of Multiplicity-Free Endomorphism Rings

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

$H = O_7(3) \rightarrow (Fi_{22}.2, 3)$

rank: 9

degree: 56320

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	1	728	1080	1080	3159	3159	21840	25272
$1a^-$	1	1	-728	-1080	-1080	3159	3159	21840	-25272
$429a^+$	1	1	168	-120	-120	279	279	-560	72
$429a^-$	1	1	-168	120	120	279	279	-560	-72
$13650a^+$	1	1	24	24	24	-9	-9	16	-72
$13650a^-$	1	1	-24	-24	-24	-9	-9	16	72
$352a^+$	1	-1	0	120r3	-120r3	-351	351	0	0
$352a^-$	1	-1	0	-120r3	120r3	-351	351	0	0
$13728ab$	1	-1	0	0	0	9	-9	0	0

$r3 = Sqrt(3)$

References

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