

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.HS.2$ (no. 1)

$H = A_8 \times 2 \rightarrow (HS.2, 10)$

rank: 10

degree: 4400

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	2	112	210	210	336	336	672	2520
$22a^+$	1	1	-2	0	-70	70	112	112	-224	0
$77a^+$	1	1	2	-48	50	50	16	16	32	-120
$154a^+$	1	1	2	32	30	30	-24	-24	-48	0
$154bc$	1	1	-2	0	30	-30	12	12	-24	0
$175a^+$	1	1	2	24	-10	-10	28	28	56	-120
$693a^+$	1	1	2	-8	-10	-10	-4	-4	-8	40
$770a^+$	1	1	-2	0	-10	10	-8	-8	16	0
$176ab$	1	-1	0	0	0	0	42	-42	0	0
$924ab$	1	-1	0	0	0	0	-8	8	0	0

References

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