

Character Tables of Multiplicity-Free Endomorphism Rings

$G = 3.McL.2$ (no. 1)

$H = 2.S_8 \rightarrow (McL.2, 9)$

rank: 10

degree: 66825

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	2	630	2240	4480	5040	8064	10080	16128	20160
$252a^+$	1	2	135	260	520	90	144	180	288	-1620
$1750a^+$	1	2	117	-28	-56	72	-144	144	-288	180
$5103a^+$	1	2	-15	60	120	-60	-56	-120	-112	180
$5544a^+$	1	2	-45	-10	-20	90	-36	180	-72	-90
$9625a^+$	1	2	9	-28	-56	-36	72	-72	144	-36
$2772ab$	1	-1	0	80	-80	90	144	-90	-144	0
$5103bc$	1	-1	0	0	0	-120	64	120	-64	0
$6336ab$	1	-1	0	35	-35	0	-126	0	126	0
$8064ab$	1	-1	0	-55	55	45	9	-45	-9	0

References

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