

Character Tables of Multiplicity-Free Endomorphism Rings

$G = McL.2$ (no. 10)

$H = 2.A_8 < 2.S_8$

rank: 12

degree: 44550

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	210	210	2240	2240	5040	5040	6720	6720
$1a^-$	1	-1	-210	210	-2240	2240	5040	-5040	-6720	6720
$252a^+$	1	1	45	45	260	260	90	90	-540	-540
$252a^-$	1	-1	-45	45	-260	260	90	-90	540	-540
$1750a^+$	1	1	39	39	-28	-28	72	72	60	60
$1750a^-$	1	-1	-39	39	28	-28	72	-72	-60	60
$5103a^+$	1	1	-5	-5	60	60	-60	-60	60	60
$5103a^-$	1	-1	5	-5	-60	60	-60	60	-60	60
$5544a^+$	1	1	-15	-15	-10	-10	90	90	-30	-30
$5544a^-$	1	-1	15	-15	10	-10	90	-90	30	-30
$9625a^+$	1	1	3	3	-28	-28	-36	-36	-12	-12
$9625a^-$	1	-1	-3	3	28	-28	-36	36	12	-12

	O_{11}	O_{12}
$1a^+$	8064	8064
$1a^-$	-8064	8064
$252a^+$	144	144
$252a^-$	-144	144
$1750a^+$	-144	-144
$1750a^-$	144	-144
$5103a^+$	-56	-56
$5103a^-$	56	-56
$5544a^+$	-36	-36
$5544a^-$	36	-36
$9625a^+$	72	72
$9625a^-$	-72	72

References

- [Höh01] I. Höhler. Vielfachheitsfreie Permutationsdarstellungen und die Invarianten zugehöriger Graphen. Examensarbeit, RWTH Aachen, 2001.