

Character Tables of Multiplicity-Free Endomorphism Rings

$G = HS.2$ (no. 17)

$H = 4.2^4 : S_5 < 2_+^{1+6} : S_5$

rank: 18

degree: 11550

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}	O_{11}	O_{12}
$1a^+$	1	1	30	30	80	80	128	128	480	480	640	640
$1a^-$	1	-1	30	-30	80	-80	-128	128	480	-480	640	-640
$77a^+$	1	1	15	15	20	20	-32	-32	60	60	80	80
$77a^-$	1	-1	15	-15	20	-20	32	-32	60	-60	80	-80
$154a^+$	1	1	15	15	20	20	8	8	60	60	-20	-20
$154a^-$	1	-1	15	-15	20	-20	-8	8	60	-60	-20	20
$175a^+$	1	1	-3	-3	14	14	40	40	-48	-48	68	68
$175a^-$	1	-1	-3	3	14	-14	-40	40	-48	48	68	-68
$693a^+$	1	1	5	5	-10	-10	8	8	0	0	20	20
$693a^-$	1	-1	5	-5	-10	10	-8	8	0	0	20	-20
$825a^+$	1	1	7	7	4	4	0	0	-28	-28	-32	-32
$825a^-$	1	-1	7	-7	4	-4	0	0	-28	28	-32	32
$1056a^+$	1	1	-5	-5	10	10	-12	-12	-10	-10	10	10
$1056a^-$	1	-1	-5	5	10	-10	12	-12	-10	10	10	-10
$1386a^+$	1	-1	-5	5	0	0	-8	8	20	-20	-20	20
$1386a^-$	1	1	-5	-5	0	0	8	8	20	20	-20	-20
$1408a^+$	1	1	0	0	-10	-10	-7	-7	0	0	10	10
$1408a^-$	1	-1	0	0	-10	10	7	-7	0	0	10	-10

	O_{13}	O_{14}	O_{15}	O_{16}	O_{17}	O_{18}
$1a^+$	960	960	1536	1536	1920	1920
$1a^-$	960	-960	-1536	1536	1920	-1920
$77a^+$	0	0	96	96	-240	-240
$77a^-$	0	0	-96	96	-240	240
$154a^+$	0	0	-144	-144	60	60
$154a^-$	0	0	144	-144	60	-60
$175a^+$	36	36	-48	-48	-60	-60
$175a^-$	36	-36	48	-48	-60	60
$693a^+$	-60	-60	16	16	20	20
$693a^-$	-60	60	-16	16	20	-20
$825a^+$	16	16	32	32	0	0
$825a^-$	16	-16	-32	32	0	0
$1056a^+$	-20	-20	-4	-4	30	30
$1056a^-$	-20	20	4	-4	30	-30
$1386a^+$	0	0	-16	16	-20	20
$1386a^-$	0	0	16	16	-20	-20
$1408a^+$	30	30	-24	-24	0	0
$1408a^-$	30	-30	24	-24	0	0

References

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