

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Fi_{22}.2$ (no. 13)

$H = 2^{10} : M_{22} < 2^{10} : M_{22}.2$

rank: 16

degree: 284310

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	154	154	1024	1024	3696	3696	4928	4928
$1a^-$	1	-1	-154	154	1024	-1024	3696	-3696	-4928	4928
$78a^+$	1	1	-77	-77	-320	-320	924	924	1232	1232
$78a^-$	1	-1	77	-77	-320	320	924	-924	-1232	1232
$429a^+$	1	1	49	49	-176	-176	546	546	-532	-532
$429a^-$	1	-1	-49	49	-176	176	546	-546	532	-532
$1430a^+$	1	1	-35	-35	160	160	294	294	-364	-364
$1430a^-$	1	-1	35	-35	160	-160	294	-294	364	-364
$3080a^+$	1	1	37	37	88	88	186	186	248	248
$3080a^-$	1	-1	-37	37	88	-88	186	-186	-248	248
$30030a^+$	1	1	13	13	-32	-32	6	6	-28	-28
$30030a^-$	1	-1	-13	13	-32	32	6	-6	28	-28
$32032a^+$	1	1	-17	-17	-20	-20	24	24	32	32
$32032a^-$	1	-1	17	-17	-20	20	24	-24	-32	32
$75075a^+$	1	1	1	1	16	16	-30	-30	-4	-4
$75075a^-$	1	-1	-1	1	16	-16	-30	30	4	-4

	O_{11}	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	11264	11264	42240	42240	78848	78848
$1a^-$	-11264	11264	42240	-42240	-78848	78848
$78a^+$	-1408	-1408	-5280	-5280	4928	4928
$78a^-$	1408	-1408	-5280	5280	-4928	4928
$429a^+$	1184	1184	-960	-960	-112	-112
$429a^-$	-1184	1184	-960	960	112	-112
$1430a^+$	-400	-400	120	120	224	224
$1430a^-$	400	-400	120	-120	-224	224
$3080a^+$	32	32	120	120	-712	-712
$3080a^-$	-32	32	120	-120	712	-712
$30030a^+$	-112	-112	120	120	32	32
$30030a^-$	112	-112	120	-120	-32	32
$32032a^+$	32	32	120	120	-172	-172
$32032a^-$	-32	32	120	-120	172	-172
$75075a^+$	32	32	-96	-96	80	80
$75075a^-$	-32	32	-96	96	-80	80

References

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