

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Fi_{22.2}$ (no. 9)

$H = O_8^+(2) : 3 < O_8^+(2) : S_3 \times 2$

rank: 14

degree: 247104

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	1	1	1575	1575	1575	1575	22400	22400
$1a^-$	1	-1	1	-1	-1575	1575	-1575	1575	22400	-22400
$1001a^+$	1	1	-1	-1	-225	-225	225	225	800	800
$1001a^-$	1	-1	-1	1	225	-225	-225	225	800	-800
$3080a^+$	1	1	1	1	171	171	171	171	-64	-64
$3080a^-$	1	-1	1	-1	-171	171	-171	171	-64	64
$10725a^+$	1	-1	-1	1	-63	63	63	-63	224	-224
$10725a^-$	1	1	-1	-1	63	63	-63	-63	224	224
$13650a^+$	1	1	1	1	-9	-9	-9	-9	224	224
$13650a^-$	1	-1	1	-1	9	-9	9	-9	224	-224
$45045a^+$	1	1	1	1	-9	-9	-9	-9	-64	-64
$45045a^-$	1	-1	1	-1	9	-9	9	-9	-64	64
$50050a^+$	1	-1	-1	1	9	-9	-9	9	-64	64
$50050a^-$	1	1	-1	-1	-9	-9	9	9	-64	-64

	O_{11}	O_{12}	O_{13}	O_{14}
$1a^+$	22400	22400	75600	75600
$1a^-$	22400	-22400	75600	-75600
$1001a^+$	-800	-800	0	0
$1001a^-$	-800	800	0	0
$3080a^+$	-64	-64	-216	-216
$3080a^-$	-64	64	-216	216
$10725a^+$	-224	224	0	0
$10725a^-$	-224	-224	0	0
$13650a^+$	224	224	-432	-432
$13650a^-$	224	-224	-432	432
$45045a^+$	-64	-64	144	144
$45045a^-$	-64	64	144	-144
$50050a^+$	64	-64	0	0
$50050a^-$	64	64	0	0

References

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