

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Fi_{22}.2$ (no. 11)

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

rank: 13

degree: 370656

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}	O_{11}
$1a^+$	1	1	2	2	1575	1575	3150	3150	22400	22400	44800
$429a^+$	1	1	-1	-1	315	315	-315	-315	2240	2240	-2240
$429a^-$	1	-1	-1	1	315	-315	315	-315	-2240	2240	-2240
$1001a^+$	1	-1	2	-2	-225	225	450	-450	-800	800	1600
$3080a^+$	1	1	2	2	171	171	342	342	-64	-64	-128
$10725a^-$	1	-1	2	-2	63	-63	-126	126	-224	224	448
$13650a^+$	1	1	2	2	-9	-9	-18	-18	224	224	448
$45045a^+$	1	1	2	2	-9	-9	-18	-18	-64	-64	-128
$48048a^+$	1	1	-1	-1	-45	-45	45	45	80	80	-80
$48048a^-$	1	-1	-1	1	-45	45	-45	45	-80	80	-80
$50050a^-$	1	-1	2	-2	-9	9	18	-18	64	-64	-128
$75075a^+$	1	1	-1	-1	27	27	-27	-27	-64	-64	64
$75075a^-$	1	-1	-1	1	27	-27	27	-27	64	-64	64

	O_{12}	O_{13}
$1a^+$	44800	226800
$429a^+$	-2240	0
$429a^-$	2240	0
$1001a^+$	-1600	0
$3080a^+$	-128	-648
$10725a^-$	-448	0
$13650a^+$	448	-1296
$45045a^+$	-128	432
$48048a^+$	-80	0
$48048a^-$	80	0
$50050a^-$	128	0
$75075a^+$	64	0
$75075a^-$	-64	0

References

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