

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Fi_{22}.2$ (no. 10)

$H = O_8^+(2) : 2 < Fi_{22}$

rank: 14

degree: 370656

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	1	2	2	1575	1575	3150	3150	22400	22400
$1a^-$	1	-1	2	-2	-1575	1575	-3150	3150	22400	-22400
$429a^+$	1	1	-1	-1	315	315	-315	-315	2240	2240
$429a^-$	1	-1	-1	1	-315	315	315	-315	2240	-2240
$3080a^+$	1	1	2	2	171	171	342	342	-64	-64
$3080a^-$	1	-1	2	-2	-171	171	-342	342	-64	64
$13650a^+$	1	1	2	2	-9	-9	-18	-18	224	224
$13650a^-$	1	-1	2	-2	9	-9	18	-18	224	-224
$45045a^+$	1	1	2	2	-9	-9	-18	-18	-64	-64
$45045a^-$	1	-1	2	-2	9	-9	18	-18	-64	64
$48048a^+$	1	1	-1	-1	-45	-45	45	45	80	80
$48048a^-$	1	-1	-1	1	45	-45	-45	45	80	-80
$75075a^+$	1	1	-1	-1	27	27	-27	-27	-64	-64
$75075a^-$	1	-1	-1	1	-27	27	27	-27	-64	64

	O_{11}	O_{12}	O_{13}	O_{14}
$1a^+$	44800	44800	113400	113400
$1a^-$	44800	-44800	-113400	113400
$429a^+$	-2240	-2240	0	0
$429a^-$	-2240	2240	0	0
$3080a^+$	-128	-128	-324	-324
$3080a^-$	-128	128	324	-324
$13650a^+$	448	448	-648	-648
$13650a^-$	448	-448	648	-648
$45045a^+$	-128	-128	216	216
$45045a^-$	-128	128	-216	216
$48048a^+$	-80	-80	0	0
$48048a^-$	-80	80	0	0
$75075a^+$	64	64	0	0
$75075a^-$	64	-64	0	0

References

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