Character Tables of Multiplicity-Free Endomorphism Rings

$G = J_2.2$ (no. 14)

$H = 5^2 : (4 \times S_3)$

rank: 12

degree: 2016

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9	O_{10}
$1a^+$	1	15	25	75	100	150	150	150	150	300
$63a^-$	1	-3	-13	27	-12	-30	6	-6	6	36
$90a^+$	1	1	11	19	16	10	-18	-18	-18	20
$90a^-$	1	9	-5	-5	0	10	30	-10	-10	20
$126a^+$	1	7	5	7	-20	-2	6	-6	-6	-28
$126a^-$	1	-3	7	7	-12	10	6	14	26	-4
$160a^+$	1	6	1	-6	16	-15	-3	12	12	0
$175a^+$	1	-3	-5	3	4	18	6	18	-18	-12
$225a^-$	1	-1	1	-13	-12	6	-10	-2	-2	28
$288a^-$	1	2	-5	2	0	3	-19	4	4	-8
$336a^+$	1	-3	1+r6	-3	4-r6	-6-4r6	6	-6+5r6	-4r6	-6+2r6
$336a^-$	1	-3	1-r6	-3	4+r6	-6+4r6	6	-6-5r6	4r6	-6-2r6

	O_{11}	O_{12}
$1a^+$	300	600
$63a^-$	12	-24
$90a^+$	-8	-16
$90a^-$	-40	0
$126a^+$	28	8
$126a^-$	-28	-24
$160a^+$	12	-36
$175a^+$	12	-24
$225a^-$	12	-8
$288a^-$	-12	28
$336a^+$	-3r6	12+4r6
$336a^-$	3r6	12-4r6

r6 = $Sqrt(6)$

References

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