Character Tables
of Multiplicity-Free Endomorphism Rings

$G = ON.2$ (no. 2)

$H = L_3(7) < ON$

rank: 13

degree: 491040

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	1	912	11172	11172	11172	12768	32928	32928
$1a^-$	1	1	-912	-11172	-11172	11172	12768	-32928	-32928
$10944a^+$	1	1	98	238	238	392	-212	-28	-28
$10944a^-$	1	1	-98	-238	-238	392	-212	28	28
$26752a^+$	1	1	-42r2	84r2	84r2	-42	222	105r2	105r2
$26752a^-$	1	1	42r2	-84r2	-84r2	-42	222	-105r2	-105r2
$32395ab$	1	1	0	0	0	84	96	0	0
$37696a^+$	1	-1	0	-84	84	0	0	-294	294
$37696a^-$	1	-1	0	84	-84	0	0	294	-294
$52668a^+$	1	1	8r7	-26r7	-26r7	-112	-128	80r7	80r7
$52668a^-$	1	1	-8r7	26r7	26r7	-112	-128	-80r7	-80r7
$85064a^+$	1	-1	0	114	-114	0	0	-96	96
$85064a^-$	1	-1	0	-114	114	0	0	96	-96

	O_{10}	O_{11}	O_{12}	O_{13}
$1a^+$	52136	52136	117306	156408
$1a^-$	52136	52136	117306	-156408
$10944a^+$	161	161	-504	-518
$10944a^-$	161	161	-504	518
$26752a^+$	161	161	-504	-336r2
$26752a^-$	161	161	-504	336r2
$32395ab$	-280	-280	378	0
$37696a^+$	-343	343	0	0
$37696a^-$	-343	343	0	0
$52668a^+$	56	56	126	-116r7
$52668a^-$	56	56	126	116r7
$85064a^+$	152	-152	0	0
$85064a^-$	152	-152	0	0

r2 = $Sqrt(2)$

r7 = $Sqrt(7)$

References

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