

Character Tables of Multiplicity-Free Endomorphism Rings

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

$H = S_{11} < S_{12}$

rank: 17

degree: 13680000

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	11	2772	2772	16632	20790	60480	83160	99792
$133ab$	1	11	-1188	-1188	792	4950	0	3960	4752
$760a^+$	1	11	792	792	-1188	2970	-12960	-5940	-7128
$3344a^+$	1	11	72	72	1332	990	2880	6660	7992
$8910a^+$	1	11	492	492	-88	1030	5760	-440	-528
$9405a^+$	1	-1	-168	168	1428	1050	0	2100	-3528
$16929a^+$	1	11	372	372	632	310	-2880	3160	3792
$35112ab$	1	11	-288	-288	-108	450	0	-540	-648
$267520a^+$	1	11	72	72	-18	-90	720	-90	-108
$365750a^+$	1	11	-108	-108	72	-90	0	360	432
$406296a^+$	1	11	72	72	-68	10	-480	-340	-408
$653125a^+$	1	-1	-72	72	180	90	0	468	-648
$1185030a^+$	1	-1	72	-72	68	250	0	100	-168
$2031480a^+$	1	-1	12	-12	208	-50	0	-400	192
$2375000a^+$	1	-1	36	-36	-144	-18	0	144	0
$2407680a^+$	1	-1	-48	48	-102	150	0	-150	252
$3878280a^+$	1	-1	-8	8	-12	-150	0	100	-88

	O_{10}	O_{11}	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	103950	362880	369600	831600	1247400	2494800	3991680
$133ab$	24750	17280	52800	-118800	-59400	-118800	190080
$760a^+$	14850	6480	13200	59400	0	0	71280
$3344a^+$	4950	2880	-26400	3600	-3600	-7200	31680
$8910a^+$	5150	-1920	4800	10800	-6600	-13200	-21120
$9405a^+$	-1050	-10080	0	0	25200	-25200	10080
$16929a^+$	1550	-1920	4800	-3600	4200	8400	-21120
$35112ab$	2250	-720	-1200	-1800	3600	7200	-7920
$267520a^+$	-450	180	600	-1800	1800	3600	1980
$365750a^+$	-450	0	960	2160	-1080	-2160	0
$406296a^+$	50	80	-1200	-600	-800	-1600	880
$653125a^+$	-90	1440	0	0	-720	720	-1440
$1185030a^+$	-250	-480	0	0	-1200	1200	480
$2031480a^+$	50	320	0	0	400	-400	-320
$2375000a^+$	18	576	0	0	1008	-1008	-576
$2407680a^+$	-150	-180	0	0	0	0	180
$3878280a^+$	150	-480	0	0	-400	400	480

	O_{17}
$1a^+$	3991680
$133ab$	0
$760a^+$	-142560
$3344a^+$	-25920
$8910a^+$	15360
$9405a^+$	0
$16929a^+$	1920
$35112ab$	0
$267520a^+$	-6480
$365750a^+$	0
$406296a^+$	4320
$653125a^+$	0
$1185030a^+$	0
$2031480a^+$	0
$2375000a^+$	0
$2407680a^+$	0
$3878280a^+$	0

References

- [Mül03] J. Müller. *On endomorphism rings and character tables*. Habilitationsschrift, RWTH Aachen, 2003.