

Character Tables of Multiplicity-Free Endomorphism Rings

$G = HN.2$ (no. 4)

$H = 2.HS.2 < HN$

rank: 18

degree: 3078000

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a^+$	1	1	1408	1408	2200	2200	5775	5775	35200
$1a^-$	1	-1	-1408	1408	2200	-2200	-5775	5775	35200
$3344a^+$	1	1	208	208	-50	-50	525	525	2200
$3344a^-$	1	-1	-208	208	-50	50	-525	525	2200
$8910a^+$	1	1	-112	-112	300	300	75	75	1000
$8910a^-$	1	-1	112	-112	300	-300	-75	75	1000
$9405a^+$	1	1	208	208	100	100	-525	-525	1000
$9405a^-$	1	-1	-208	208	100	-100	525	-525	1000
$16929a^+$	1	1	128	128	200	200	375	375	0
$16929a^-$	1	-1	-128	128	200	-200	-375	375	0
$214016a^+$	1	1	-47	-47	-50	-50	0	0	250
$214016a^-$	1	-1	47	-47	-50	50	0	0	250
$267520a^+$	1	1	28	28	-50	-50	75	75	-50
$267520a^-$	1	-1	-28	28	-50	50	-75	75	-50
$365750a^+$	1	1	-32	-32	40	40	15	15	-80
$365750a^-$	1	-1	32	-32	40	-40	-15	15	-80
$653125a^+$	1	1	16	16	4	4	-45	-45	-56
$653125a^-$	1	-1	-16	16	4	-4	45	-45	-56

	O_{10}	O_{11}	O_{12}	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	35200	123200	123200	277200	277200	354816	354816
$1a^-$	-35200	-123200	123200	277200	-277200	354816	-354816
$3344a^+$	2200	-2800	-2800	-6300	-6300	2016	2016
$3344a^-$	-2200	2800	-2800	-6300	6300	2016	-2016
$8910a^+$	1000	-2200	-2200	3600	3600	-864	-864
$8910a^-$	-1000	2200	-2200	3600	-3600	-864	864
$9405a^+$	1000	1400	1400	0	0	2016	2016
$9405a^-$	-1000	-1400	1400	0	0	2016	-2016
$16929a^+$	0	1600	1600	0	0	-2304	-2304
$16929a^-$	0	-1600	1600	0	0	-2304	2304
$214016a^+$	250	350	350	0	0	-504	-504
$214016a^-$	-250	-350	350	0	0	-504	504
$267520a^+$	-50	-100	-100	450	450	396	396
$267520a^-$	50	100	-100	450	-450	396	-396
$365750a^+$	-80	80	80	-360	-360	576	576
$365750a^-$	80	-80	80	-360	360	576	-576
$653125a^+$	-56	-136	-136	0	0	-288	-288
$653125a^-$	56	136	-136	0	0	-288	288

	O_{17}	O_{18}
$1a^+$	739200	739200
$1a^-$	-739200	739200
$3344a^+$	4200	4200
$3344a^-$	-4200	4200
$8910a^+$	-1800	-1800
$8910a^-$	1800	-1800
$9405a^+$	-4200	-4200
$9405a^-$	4200	-4200
$16929a^+$	0	0
$16929a^-$	0	0
$214016a^+$	0	0
$214016a^-$	0	0
$267520a^+$	-750	-750
$267520a^-$	750	-750
$365750a^+$	-240	-240
$365750a^-$	240	-240
$653125a^+$	504	504
$653125a^-$	-504	504

References

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