

Character Tables of Multiplicity-Free Endomorphism Rings

$G = F_{3+}.2$ (no. 3)

$H = O_{10}^-(2).2$

rank: 17

degree: 50177360142

	O_1	O_2	O_3	O_4	O_5	O_6
$1a^+$	1	25245	104448	1570800	12773376	45957120
$8671a^-$	1	-5049	-13056	157080	798336	2010624
$57477a^+$	1	1755	16752	145740	145152	-145920
$249458a^+$	1	3195	5664	27300	-266112	798720
$555611a^-$	1	-1485	8544	56100	-57024	337920
$1666833a^+$	1	2079	-2256	26400	-14256	489984
$35873145a^+$	1	819	1776	10020	55296	26304
$48893768a^-$	1	-189	-2688	19380	16848	-37056
$79452373a^+$	1	-45	3072	14340	-1728	-30720
$415098112a^-$	1	-639	-708	2730	-16632	34944
$1264015025a^+$	1	171	912	1596	-6912	-6528
$1540153692a^+$	1	279	-816	3000	-5616	384
$2346900864a^-$	1	-315	588	1110	4752	10320
$3208653525a^+$	1	387	48	-780	3456	12480
$10169903744a^-$	1	-99	-276	30	3456	-1776
$13904165275a^+$	1	63	48	192	-432	-3072
$17161712568a^+$	1	-45	48	-780	-1728	-480

	O_7	O_8	O_9	O_{10}	O_{11}
$1a^+$	67858560	107233280	193881600	263208960	579059712
$8671a^-$	-3392928	-1340416	4847040	-3290112	-18095616
$57477a^+$	1955016	4102784	1639440	-1983744	2370816
$249458a^+$	-302400	546560	2311200	2419200	2161152
$555611a^-$	178200	1168640	-1782000	1468800	-3269376
$1666833a^+$	28512	-256960	-712800	-1237248	2318976
$35873145a^+$	129816	-75520	179280	262656	161856
$48893768a^-$	-132840	-65152	6480	69120	22464
$79452373a^+$	26136	111104	-2160	-100224	66816
$415098112a^-$	15120	-6832	57780	-30240	-67536
$1264015025a^+$	-21816	-2944	23760	-6912	1152
$1540153692a^+$	4752	2240	-21600	24192	14976
$2346900864a^-$	-4320	-10720	-19980	8640	-2736
$3208653525a^+$	-7560	7424	3024	-6912	-17856
$10169903744a^-$	-1728	7424	5940	-6912	1584
$13904165275a^+$	6048	-8128	-864	-6912	-12672
$17161712568a^+$	-1080	2240	-2160	8640	12384

	O_{12}	O_{13}	O_{14}	O_{15}
$1a^+$	1085736960	5147197440	5428684800	7238246400
$8671a^-$	27143424	80424960	-67858560	-90478080
$57477a^+$	16284240	-10730496	30119040	-7197120
$249458a^+$	-393120	-5376000	5443200	-22377600
$555611a^-$	1568160	5913600	1425600	1900800
$1666833a^+$	1012176	3480576	-498960	-665280
$35873145a^+$	20304	561408	-544320	665280
$48893768a^-$	456192	-652800	-149040	501120
$79452373a^+$	-120960	-316416	-855360	17280
$415098112a^-$	-9828	-84000	-68040	279720
$1264015025a^+$	-34128	167424	124416	63936
$1540153692a^+$	-54864	36096	19440	-60480
$2346900864a^-$	-25380	-58080	77760	-50760
$3208653525a^+$	-5616	-74496	-15552	63936
$10169903744a^-$	-20196	36960	19440	-11880
$13904165275a^+$	9936	-12288	19440	-29376
$17161712568a^+$	15120	-1920	-38880	17280

	O_{16}	O_{17}
$1a^+$	12634030080	17371791360
$8671a^-$	-39481344	108573696
$57477a^+$	-44706816	7983360
$249458a^+$	21288960	-6289920
$555611a^-$	7050240	-15966720
$1666833a^+$	2073600	-6044544
$35873145a^+$	-587520	-867456
$48893768a^-$	456192	-508032
$79452373a^+$	635904	552960
$415098112a^-$	-66528	-39312
$1264015025a^+$	-152064	-152064
$1540153692a^+$	-172800	210816
$2346900864a^-$	-82080	151200
$3208653525a^+$	-6912	44928
$10169903744a^-$	16416	-48384
$13904165275a^+$	55296	-17280
$17161712568a^+$	-17280	8640

References

- [LLS95] S. A. Linton, K. Lux, and L. H. Soicher. The primitive distance-transitive representations of the Fischer groups. *Experiment. Math.*, 4(3):235–253, 1995.