

Character Tables of Multiplicity-Free Endomorphism Rings

$G = F_{3+}.2$ (no. 5)

$H = 3^7.O_7(3).2$

rank: 17

degree: 125168046080

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a^+$	1	1120	49140	275562	816480	21228480	57316896
$57477a^+$	1	-40	3900	31266	-29160	56160	1617408
$249458a^+$	1	392	7644	20034	76104	812448	471744
$35873145a^+$	1	200	2220	2322	13320	64800	-53568
$40536925a^+$	1	224	2772	3402	18144	108864	54432
$79452373a^+$	1	-40	300	3186	-360	-1440	-41472
$112168056a^+$	1	32	-636	3834	3744	-29952	121824
$281380736a^+$	1	152	1224	1134	6264	6048	-20736
$1069551175a^-$	1	-64	468	-1782	1728	-22464	33696
$1264015025a^+$	1	-40	732	2754	-3816	5472	20736
$3208653525a^+$	1	104	588	-270	936	-3168	5184
$3283490925a^+$	1	56	-84	882	504	-14112	-24192
$5775278080a^+$	1	14	-294	1134	882	-5544	9072
$10776585600ab$	1	-28	0	-378	756	0	0
$17068369920a^+$	1	44	36	-486	-1188	216	2592
$17161712568a^+$	1	-40	300	162	-360	-1440	-5184
$54234085491a^+$	1	0	-140	42	0	2240	-224

	O_8	O_9	O_{10}	O_{11}	O_{12}
$1a^+$	62178597	286584480	429876720	2901667860	5158520640
$57477a^+$	2814669	-463320	4801680	32411340	-30326400
$249458a^+$	85293	5798520	2240784	15125292	28304640
$35873145a^+$	73629	104760	343440	-811620	-1244160
$40536925a^+$	-37179	272160	81648	-591948	-326592
$79452373a^+$	190269	-117720	265680	43740	777600
$112168056a^+$	114453	21600	-364176	-144828	388800
$281380736a^+$	-16767	3240	-241056	190512	-155520
$1069551175a^-$	9477	67392	50544	-63180	-202176
$1264015025a^+$	-8019	-7128	11664	164268	-217728
$3208653525a^+$	3645	-53352	22032	4860	62208
$3283490925a^+$	3645	35784	3024	74844	-72576
$5775278080a^+$	-16767	-7938	27216	-44226	68040
$10776585600ab$	-3159	-9828	0	58968	0
$17068369920a^+$	-2187	10692	-1944	-2916	19440
$17161712568a^+$	-243	3240	-6480	-46980	51840
$54234085491a^+$	2917	0	-1680	-10220	-20160

	O_{13}	O_{14}	O_{15}	O_{16}
$1a^+$	6964002864	15475561920	18366600960	23213342880
$57477a^+$	77787216	40940640	-81881280	-37528920
$249458a^+$	-9552816	-19105632	-30652992	11144952
$35873145a^+$	1271376	-2838240	699840	4908600
$40536925a^+$	-244944	3592512	1679616	-2776032
$79452373a^+$	104976	-1049760	2099520	-2536920
$112168056a^+$	128304	373248	373248	1220832
$281380736a^+$	303264	-1065312	139968	-849528
$1069551175a^-$	-151632	-202176	0	-202176
$1264015025a^+$	-221616	-116640	233280	106920
$3208653525a^+$	-128304	116640	-233280	126360
$3283490925a^+$	-81648	163296	46656	68040
$5775278080a^+$	102060	-81648	5832	-78246
$10776585600ab$	0	0	101088	29484
$17068369920a^+$	58320	-33048	93312	-32076
$17161712568a^+$	50544	38880	-77760	3240
$54234085491a^+$	-27216	2240	-46080	0

	O_{17}
$1a^+$	52230021480
$57477a^+$	-10235160
$249458a^+$	-4776408
$35873145a^+$	-2536920
$40536925a^+$	-1837080
$79452373a^+$	262440
$112168056a^+$	-2210328
$281380736a^+$	1697112
$1069551175a^-$	682344
$1264015025a^+$	29160
$3208653525a^+$	75816
$3283490925a^+$	-204120
$5775278080a^+$	20412
$10776585600ab$	-176904
$17068369920a^+$	-110808
$17161712568a^+$	-9720
$54234085491a^+$	98280

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.