

Character Tables of Multiplicity-Free Endomorphism Rings

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

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

rank: 18

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
$10776585600a$	1	-28	0	-378	756	0	0
$10776585600b$	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
$10776585600a$	-3159	-9828	0	58968	0
$10776585600b$	-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	9183300480	9183300480	15475561920
$57477a$	77787216	-40940640	-40940640	40940640
$249458a$	-9552816	-15326496	-15326496	-19105632
$35873145a$	1271376	349920	349920	-2838240
$40536925a$	-244944	839808	839808	3592512
$79452373a$	104976	1049760	1049760	-1049760
$112168056a$	128304	186624	186624	373248
$281380736a$	303264	69984	69984	-1065312
$1069551175a$	-151632	0	0	-202176
$1264015025a$	-221616	116640	116640	-116640
$3208653525a$	-128304	-116640	-116640	116640
$3283490925a$	-81648	23328	23328	163296
$5775278080a$	102060	2916	2916	-81648
$10776585600a$	0	-112752	213840	0
$10776585600b$	0	213840	-112752	0
$17068369920a$	58320	46656	46656	-33048
$17161712568a$	50544	-38880	-38880	38880
$54234085491a$	-27216	-23040	-23040	2240

	O_{17}	O_{18}
$1a$	23213342880	52230021480
$57477a$	-37528920	-10235160
$249458a$	11144952	-4776408
$35873145a$	4908600	-2536920
$40536925a$	-2776032	-1837080
$79452373a$	-2536920	262440
$112168056a$	1220832	-2210328
$281380736a$	-849528	1697112
$1069551175a$	-202176	682344
$1264015025a$	106920	29160
$3208653525a$	126360	75816
$3283490925a$	68040	-204120
$5775278080a$	-78246	20412
$10776585600a$	29484	-176904
$10776585600b$	29484	-176904
$17068369920a$	-32076	-110808
$17161712568a$	3240	-9720
$54234085491a$	0	98280

References

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