Character Tables of Multiplicity-Free Endomorphism Rings

$G = Fi_{23}$ (no. 5)

$H = S_8(2)$

rank: 13

degree: 86316516

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8
1a	1	2295	13056	24192	107100	261120	1285200	2203200
782a	1	-135	3984	-3024	22050	1920	94500	-129600
3588a	1	-459	-1632	1512	10710	11424	-64260	55080
30888a	1	225	1464	1008	5670	-3840	10080	42120
60996a	1	189	-768	-1728	4230	2784	-9180	-22680
106743a	1	315	384	-1152	180	7680	-13680	17280
274482a	1	-135	816	144	2250	1920	-4500	-10800
812889a	1	189	-48	792	630	2784	5220	-1080
1951872a	1	-9	-372	252	1260	-1176	-1260	1080
5533110a	1	21	240	-216	366	-576	900	504
21348600a	1	-63	-48	-72	18	336	684	432
26838240a	1	-9	60	144	-144	-96	-720	-216
29354325a	1	45	-48	-72	-90	-96	36	-216

	O_9	O_{10}	O_{11}	O_{12}	O_{13}
1a	3046400	3290112	12337920	30844800	32901120
782a	324800	-193536	498960	226800	-846720
3588a	-38080	-102816	308448	-385560	205632
30888a	32480	44352	-7560	-105840	-20160
60996a	-12160	42336	36288	-6480	-32832
106743a	5120	-4608	-17280	51840	-46080
274482a	8000	-3456	-23760	-10800	40320
812889a	-4960	-864	-432	-1080	-1152
1951872a	-280	-2016	-5292	11340	-3528
5533110a	-3424	-1344	1008	3096	-576
21348600a	-64	144	-432	-648	-288
26838240a	-64	576	1188	1296	-2016
29354325a	800	-288	-432	-1944	2304

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.