

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Th$ (no. 2)

$H = 2^5.L_5(2)$

rank: 11

degree: 283599225

	O_1	O_2	O_3	O_4	O_5	O_6
$1a$	1	248	59520	2064384	2064384	2539520
$61256a$	1	59	2820	-31248	-31248	44720
$1707264a$	1	-31	930	-1008+3780i6	-1008-3780i6	-4960
$1707264b$	1	-31	930	-1008-3780i6	-1008+3780i6	-4960
$4881384a$	1	39	1000	2352	2352	5680
$11577384a$	1	23	120	1584	1584	1520
$28861000a$	1	-13	12	-144	-144	1520
$30507008a$	1	14	-150	1557	1557	-1720
$40199250a$	1	23	120	-1440	-1440	-1504
$72925515a$	1	-17	160	224	224	-480
$91171899a$	1	-1	-240	-288	-288	800

	O_7	O_8	O_9	O_{10}	O_{11}
$1a$	6666240	35553280	63995904	63995904	106659840
$61256a$	-1680	202720	-16128	174384	-344400
$1707264a$	-13020	8680	-31248	15624	26040
$1707264b$	-13020	8680	-31248	15624	26040
$4881384a$	5600	-5600	-22848	-3696	15120
$11577384a$	-8160	-7520	16704	5904	-11760
$28861000a$	-1680	6880	4608	-17424	6384
$30507008a$	750	9850	-4383	-171	-7305
$40199250a$	912	-1472	4608	-3168	3360
$72925515a$	1680	-2240	3584	2464	-5600
$91171899a$	-240	-2240	-4608	3744	3360

i6 = $Sqrt(-6)$

References

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