

Character Tables of Multiplicity-Free Endomorphism Rings

$G = Ru$ (no. 3)

$H = (2^2 \times Sz(8)) : 3$

rank: 10

degree: 417600

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a$	1	455	3640	5824	29120	29120	58240
$3276a$	1	-9	392	-208	816	352	-224
$20475a$	1	39	-104	64	192	256	-512
$27405a$	1	-9	72	192	256	-288	-64
$34944a$	1	23-2r6	16-14r6	-92+24r6	68+28r6	-64+76r6	208+148r6
$34944b$	1	23+2r6	16+14r6	-92-24r6	68-28r6	-64-76r6	208-148r6
$52780a$	1	-25	-40	-16	-80	-160	160
$65975a$	1	23	40	64	-256	32	64
$75400a$	1	-1	-64	-16	112	-64	-32
$102400a$	1	-22	20	-16	-56	167	-116

	O_8	O_9	O_{10}
$1a$	87360	87360	116480
$3276a$	-1728	1056	-448
$20475a$	192	384	-512
$27405a$	192	-224	-128
$34944a$	216-84r6	-192-72r6	-184-104r6
$34944b$	216+84r6	-192+72r6	-184+104r6
$52780a$	0	480	-320
$65975a$	-192	96	128
$75400a$	-288	-96	448
$102400a$	153	-159	28

$r6 = Sqrt(6)$

References

- [Höh01] I. Höhler. Vielfachheitsfreie Permutationsdarstellungen und die Invarianten zugehöriger Graphen. Examensarbeit, RWTH Aachen, 2001.