

Character Tables of Multiplicity-Free Endomorphism Rings

$G = He$ (no. 4)

$H = 2^2.L_3(4).3 < 2^2.L_3(4).S_3$

rank: 10

degree: 16660

	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
$1a$	1	1	105	105	1344	1344	1440	1680	1680
$51a$	1	1	35	35	224	224	-240	-140-140i7	-140+140i7
$51b$	1	1	35	35	224	224	-240	-140+140i7	-140-140i7
$680a$	1	1	21	21	0	0	12	84	84
$1029a$	1	-1	-5r17	5r17	-64	64	0	0	0
$1029b$	1	-1	5r17	-5r17	-64	64	0	0	0
$1275a$	1	1	7	7	0	0	96	-56	-56
$1920a$	1	1	-14	-14	35	35	12	14	14
$4352a$	1	1	0	0	-21	-21	-30	0	0
$6272a$	1	-1	0	0	21	-21	0	0	0

	O_{10}
$1a$	8960
$51a$	0
$51b$	0
$680a$	-224
$1029a$	0
$1029b$	0
$1275a$	0
$1920a$	-84
$4352a$	70
$6272a$	0

i7 = $Sqrt(-7)$

r17 = $Sqrt(17)$

References

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