

Character Tables of Multiplicity-Free Endomorphism Rings

$$G = He \text{ (no. 3)}$$

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

$$\text{rank: } 7$$

$$\text{degree: } 8330$$

	O_1	O_2	O_3	O_4	O_5	O_6	O_7
$1a$	1	105	720	840	840	1344	4480
$51a$	1	35	-120	-70-70i7	-70+70i7	224	0
$51b$	1	35	-120	-70+70i7	-70-70i7	224	0
$680a$	1	21	6	42	42	0	-112
$1275a$	1	7	48	-28	-28	0	0
$1920a$	1	-14	6	7	7	35	-42
$4352a$	1	0	-15	0	0	-21	35

$$i7 = Sqrt(-7)$$

References

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