

# Character Tables of Multiplicity-Free Endomorphism Rings

$G = M_{12}$  (no. 9)

$H = A_6.2_2 < A_6.2^2$

rank: 4

degree: 132

|       | $O_1$ | $O_2$ | $O_3$ | $O_4$ |
|-------|-------|-------|-------|-------|
| $1a$  | 1     | 1     | 40    | 90    |
| $11b$ | 1     | 1     | 16    | -18   |
| $54a$ | 1     | 1     | -4    | 2     |
| $66a$ | 1     | -1    | 0     | 0     |

## References

[PS97] C. E. Praeger and L. H. Soicher. *Low rank representations and graphs for sporadic groups*, volume 8 of *Australian Mathematical Society Lecture Series*. Cambridge University Press, Cambridge, 1997.