

# Character Tables of Multiplicity-Free Endomorphism Rings

$G = 2.Suz.2$  (no. 1)

$H = U_5(2).2 \rightarrow (Suz.2, 8)$

rank: 8

degree: 65520

|            | $O_1$ | $O_2$ | $O_3$ | $O_4$ | $O_5$ | $O_6$ | $O_7$ | $O_8$ |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| $1a^+$     | 1     | 1     | 1782  | 2816  | 2816  | 3960  | 12672 | 41472 |
| $143a^-$   | 1     | 1     | 486   | 512   | 512   | -360  | -1152 | 0     |
| $364a^+$   | 1     | 1     | -198  | 176   | 176   | 660   | -528  | -288  |
| $5940a^+$  | 1     | 1     | 66    | 8     | 8     | 60    | 192   | -336  |
| $12012a^-$ | 1     | 1     | -54   | 32    | 32    | -60   | 48    | 0     |
| $14300a^-$ | 1     | 1     | 18    | -40   | -40   | 12    | -96   | 144   |
| $364bc$    | 1     | -1    | 0     | 352   | -352  | 0     | 0     | 0     |
| $16016ab$  | 1     | -1    | 0     | -8    | 8     | 0     | 0     | 0     |

## References

- [Mül08] J. Müller. On the multiplicity-free actions of the sporadic simple groups. *J. Algebra*, 320:910–926, 2008.