

Noncommutative Algebra and Symmetry

WS 2021/22 — Übungsblatt 12

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Exercise 12.1: Compute the Brauer character table of the dihedral group with 12 elements D_6 in characteristic 2.

Exercise 12.2: Let V, W be FG -modules. Show that the Brauer character of $V \otimes W$ is $\lambda_{V \otimes W} = \lambda_V \lambda_W$.

Exercise 12.3: Compute the Brauer character table for S_4 in characteristic $p = 2$ and $p = 3$.