

**Wintersemester 2015/16 — Lie-Gruppen und
Darstellungstheorie**

Übungsblatt 4

Abgabe: Donnerstag, den 12. November 2015,

We have reached the culminating point of the representation theory of finite groups. Now it is time to implement it.

1. The Character Table of \mathcal{S}_n

Write a program that generates the character table of \mathcal{S}_n . You may use either the algorithm presented in class, or the Frobenius formula (or in fact any other method you may be aware of). You may use the programming language of your choice.