C2.3 REPRESENTATION THEORY OF SEMISIMPLE LIE ALGEBRAS
HT 2024

Instructions for handing in exercises

Problem sheets are divided into Sections A, B and C, and markers will only mark Section B of problem sheets 1 and 3. Solutions will be provided for the other sections.

Sheet 1:   Section A = rest of exercises 4 and 5
  Section B = exercise 1, 2(i)(ii), 4(ii)(iii)
  Section C = rest of exercises 1 and 2

Sheet 2:   Let's just do **Exercises 1 and 5**.

Sheet 3:   Section A = exercises 2 and 4 of sheet 2.
  Section B = exercises 1 and 2, along with exercise 1(v) of sheet 2.
  Section C = exercise 3

Sheet 4:   Let's do **Exercises 1, 4 and 5**, along with this one:
  • Decompose the tensor square of the adjoint representaiton of $\mathfrak{sl}(3)$
  into irreducible representations.

Exercises should be handed in on Monday at noon, three days before the tutorial.