

Bielefeld University
WS 2022/23

Proseminar on Lie Algebras

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Notes

The talks are 90 minutes. Please give your talk using the blackboard, so-called 'chalk and talk'.

When another student is giving a talk, please try to follow it, taking your own notes, and ask questions.

Aim your talk so that the other students can understand it and can take notes. The talk should include proofs, but if there is not enough time, some could be omitted. Please also include lots of examples.

You should be able to download an electronic copy of the book by Erdmann and Wildon. There are physical copies in the library.

If there is not enough suggested material to fill a talk, students should explain some exercises from the relevant chapter of the book by Erdmann and Wildon or use other references.

Students should prepare their talks independently. If you need mathematical help, we can arrange a meeting.

I will meet students one week before their talk, to check that their preparations are OK. Preferably we meet directly after the previous talk, Friday 11:45-12:30.

The day before your talk, please send a copy of your lecture notes to me by email.

Students are required to submit a 'technically correct and comprehensible written report including essential proof steps', of about 5-10 pages. This can be your lecture notes.