

## How to prepare a talk for the seminar?

The content of this seminar is mainly based on research papers. This is **very exciting** mathematics and it will be **a lot of fun!** However, this might be very different from what you are used to from your studies so far.

Each topic will be explained by two students. Both students will give a talk of approximately 30 minutes. You will have to meet and coordinate the contents of your talks. Use this opportunity to discuss the material and study the subject together. Here are some tips on how to prepare a talk for this seminar.

- Read through the sections we indicated. Don't expect to understand too much when first reading.
- Determine the main definitions and the main results. Do you understand them?
- Extract the things you understand.
- Extract the things you don't understand, but seem relevant to you.
- Try to understand their relevance.
- Try to understand their content. It helps to discuss it with your peer and maybe to read in other resources.
- Write down a preliminary version for the talk.
- Meet us on Friday before your talk. Explain to us what you understand and ask questions.
- Finalize the talk. Make sure that there is a clear structure (e.g. motivation, repetition of relevant topics from previous talks, statement of main result, idea of proof). Make sure that your talk is not too long.
- Write a summary into the overleaf project.
- Give the talk, and focus on explaining the things you had trouble with, but now you understand.

In general,

- don't hesitate to contact us, whenever you are stuck.
- please give us feedback!