

## Seminar Representation theory of $\mathfrak{sl}_2$ (Seminar MAT564)

- ▶ *Slogan.* Representation theory in a nutshell where the main ideas of modern representation theory are explicitly floating on the surface.
- ▶ *Who?* Bachelor, Master and Ph.D. students.
- ▶ *Preliminaries.* Some linear algebra and algebra, a little bit about categories.
- ▶ *When?* Monday 10:15-12:00.
- ▶ *Website.* <http://www.dtubbenhauer.com/seminar-sl2-2019.html>
- ▶ *Topics.*  $\mathfrak{sl}_2$  and its finite-dimensional modules, its weight modules and tools from classical representation theory.

