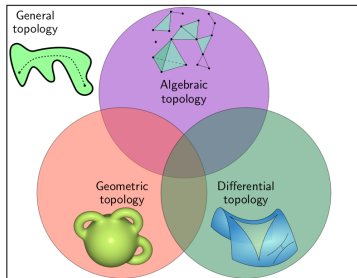


Lecture Algebraic topology

- ▶ *Slogan.* Represent whatever is hard to understand using algebra.
- ▶ *Who?* Fourth semester students in Mathematics, but everyone is welcome.
- ▶ *Preliminaries.* Some linear algebra, algebra and general topology.
- ▶ *When?* Monday 12:00-14:00.
- ▶ *Website.* <http://www.dtubbenhauer.com/lecture-algtop-2021.html>
- ▶ *Where?* Online via zoom.



Lecture Algebraic topology

- ▶ *Literature.* Hatcher's book <http://pi.math.cornell.edu/~hatcher/AT/AT.pdf>.
- ▶ *Topics.* The fundamental group, homology and cohomology.
- ▶ *Exercises.* One per lecture, please check before the corresponding Friday.
- ▶ *Tutorials.* Friday 12:00-14:00, we discuss the exercises.
- ▶ *Assessment.* Two assessments, worth 25% each, 13.Sep.2021 and 01.Nov.2021.
- ▶ *Exam.* An oral exam worth 50% to be held 24.Nov.2021.

