LECTURE COURSE IN THE QUANTUM UNIVERSE RESEARCH SCHOOL

Summer Term 2023

Algebraic Topology

Julian Holstein

Course Description:

This course will be an introduction to algebraic topology covering the topics

- Simplicial, singular and cellular homology
- Cohomology and the cup product
- Oriented manifolds and Poincaré duality
- ...

Prerequisites:

Introductory course on topology

Literature:

Date and Place:	Tue 14:15–15:45, Hörsaal H4, Geomatikum
	Thu 12:15–13:45, Hörsaal H3, Geomatikum
Problem Classes:	Wed, 10:15–11:45, SemRm 345, Geomatikum
Starting on:	4 April 2023