



Lecture Course in the Integrated Research Training Group (IRTG)
of the SFB 676 "Particles, Strings and the Early Universe"

Summer Term 2017

Introduction to String Theory

M. Zagermann

Course Description:

This course covers the basics of string theory in both flat and curved backgrounds. Topics include: Classical strings (closed & open), quantization of the bosonic string, interactions and relation with gauge theory and gravity, D-branes, elements of superstring theories.

Prerequisites:

Quantum mechanics and special relativity. Basic background knowledge on quantum field theory and general relativity would be helpful but is generally not required for following the course.

Date and Place: Wed, 13:00 – 14:30, SR 2, Building 2a
Thu, 9:15 – 10:45, SR 2, Building 2a

Problem Classes: About one quarter of the lecture time will be used for exercises.

Starting on: 5 April 2017
