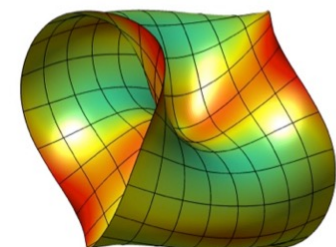
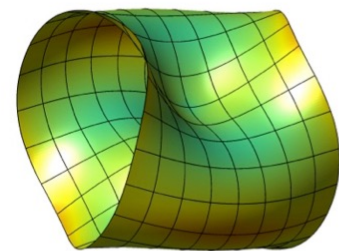
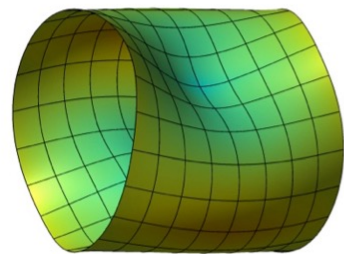
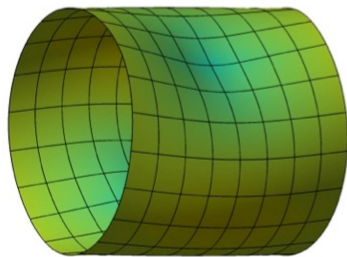
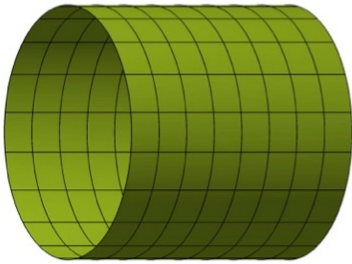


# Course Announcement for Summer 2019: Computational Modeling of Membranes & Shells



This course addresses interested master and doctoral students in civil and mechanical engineering, computational engineering science, mathematics and simulation science. The course is taught in English.

- Course topics:
- General surface descriptions
  - Mechanics of membranes
  - Mechanics of plates and shells
  - Isogeometric discretization
  - Finite element formulation

The course will focus on the theory and formulation behind numerical methods. Grading is based on project assignments and an oral examination.

The lecture is scheduled on Wednesday, from 8:00am to 10:30am in room 115, Rogowski building, starting on April 3<sup>rd</sup>. For updates see RWTHmoodle: <https://moodle.rwth-aachen.de>

Instructor: Prof. Roger A. Sauer, Graduate School AICES, [sauer@aices.rwth-aachen.de](mailto:sauer@aices.rwth-aachen.de)

