

Complex Analysis 2 (Funktionentheorie 2)

V. Cortés

Course Description:

The aim is to systematically develop the beautiful theory of Riemann surfaces (one-dimensional complex manifolds), including such highlights as the uniformization theorem of Koebe and Poincaré.

Prerequisites:

Standard background on complex analysis as covered in a first course on functions of one complex variable (Funktionentheorie 1).

Literature:

Detailed references will be provided during the course. There are many classical textbooks about Riemann surfaces such as:

- O. Forster, Lectures on Riemann Surfaces, Springer Graduate Texts in Mathematics.

Date and Place: Mon, 10:15 – 11:45, Lecture Hall H4, Geomatikum
Wed, 12:15 – 13:45, Lecture Hall H3, Geomatikum

Problem Classes: Mon, 12:15 – 13:45, SR 434, Geomatikum

Starting on: 15 October 2018