



universität
wien

Fakultät für Mathematik

Junior Kolloquium

Dienstag, 26. Juni 2018, 12:30 Uhr
SR 09, 2. OG

EINLADUNG

Tommaso de Fernex
(University of Utah)

"The link of a singularity"

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Abstract:

Starting with the classical case of (complex) plane curves, I will introduce the link of a singularity and discuss some examples. In the second part of the talk, I will look at the case of surface singularities and present a criterion of simplicity, due to Mumford, which provides a characterization of smoothness of a complex surface in terms of the topology of its link. While the talk is primarily aimed to graduate students, it should be accessible to advanced undergraduate students with some familiarity with basic notions from topology such as the fundamental group and topological surfaces.

Herwig Hauser
Christian Krattenthaler