



## Mathematics and CS Seminar

# Orbifold Mordell over function fields

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Host: Timothy Browning

I will introduce Campana's "orbifold pairs", in particular the 1-dimensional version, and explain how to formulate a version of Mordell's conjecture for such pairs. Over number fields, proving such a statement seems out of reach: all we know is that it would follow from the abc conjecture (as I will explain). Over function fields however, such a result can actually be proven, both in characteristic zero and in positive characteristic; I will give an overview of the proof and the techniques involved. (Joint work with Stefan Kebekus and Jorge Vitorio Pereira.)

**Tuesday, November 13, 2018 01:00pm - 03:00pm**

Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.