Mathematics and CS Seminar

Orbifold Mordell over function fields

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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)