

Stable Artin stacks

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Sakura Workshop "Torsion of abelian schemes and rational points on moduli spaces" - I.M.B.,
January 25th - 29th, 2010

I would like to introduce the notion of stable points on an Artin stack. The stability is linked to coarse moduli spaces, and it provides a universal condition that an Artin stack admits a coarse moduli space (in characteristic zero). Also, I will discuss the local structure of stable Artin stacks, the relationship with Geometric Invariant Theory, virtual compactness of stacks, and related issues.