

Abelian varieties & Galois actions

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*Collegium Minus
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ABSTRACTS

Speaker : Tim Dokchitser

Title : *Models of curves*

Abstract: I will explain an approach to constructing regular and semistable models of curves over DVRs. It is based on the ideas that are well-known for varieties over the complex numbers in toric and tropical geometry, but can be imported to curves over arithmetic schemes as well. This often allows to compute important invariants of the curve – conductor, semistable type, étale cohomology etc. in an elementary way.