

Séminaire de théorie des nombres

Le 25 septembre 2017 à 14h (Jussieu)

Geometric Bogomolov conjecture for curves

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Résumé : The geometric Bogomolov conjecture asserts the following : Consider a smooth projective curve over a function field of genus more than one embedded into its Jacobian ; if the curve is non-isotrivial, then it has only finitely many points of small canonical height. Recently, we have shown that this conjecture holds in full generality. In the proof, we use some partial results on a more general conjecture, called the geometric Bogomolov conjecture for abelian varieties. In this talk, reviewing the recent progress concerning this more general conjecture, we explain how the conjecture for curves is proved.