

PROGRAMME THÉMATIQUE
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Height inequality for surfaces in an abelian variety

Damian Brotbek *

brotbek@math.unistra.fr

Given a function field K and a projective variety X over K , Vojta conjectured an inequality between the canonical height of an algebraic point on X and the discriminant of that point. In this talk, I will explain how to obtain such a height inequality when X is a generic surface in an abelian threefold. The proof is based on the study of higher order jet spaces.

This is a joint work with C. Gasbarri.

*IRMA, UMR 7501, Université de Strasbourg, 7 rue René-Descartes, Strasbourg, 67000, FRANCE.