

“POINTS RATIONNELS, COURBES RATIONNELLES ET COURBES ENTIÈRES SUR LES VARIÉTÉS ALGÈBRIQUES”

*Programme thématique :*

3–28 JUIN, 2013

**RATIONAL POINTS, RATIONAL CURVES AND ENTIRE HOLOMORPHIC CURVES ON ALGEBRAIC VARIETIES**

***Thematic program:***

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## Introduction to diophantine geometry

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We will review the main tools of diophantine geometry : the analogy between number theory and function field theory, the height theory and its relations with (Arakelov) intersection theory, the Mordell Weil Theorem, Siegel Theorem, the statement of the Vojta conjectures, the relations between the effective versions of Roth, Siegel and Mordell and the abc conjecture. If there is time I will describe some recent advances in the function field case.

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