

RATIONAL AND INTEGRAL POINTS ON HIGHER DIMENSIONAL VARIETIES

Workshop Schedule

Wednesday, December 11, 2002

9:30 am - David Harari: Weak approximation on algebraic varieties: An introduction

11:00 am - Emmanuel Peyre: Counting points on varieties using universal torsors, I

Lunch

2:00 pm - Roger Heath-Brown: Rational points and analytic number theory

3:30 pm - Patrick Corn: The Galois group of the 27 lines

Reception

Thursday, December 12, 2002

9:30 am - David Harari: Weak approximation on algebraic varieties: cohomological methods

11:00 am - Emmanuel Peyre: Counting points on varieties using universal torsors, II

Lunch

2:00 pm - Jean-Louis Colliot-Thelene: Rational points on surfaces with a pencil of curves

3:30 pm - Problem session

Workshop banquet

Friday, December 13, 2002

9:30 am - Jean-Louis Colliot-Thelene: Rational points on surfaces with a pencil of curves

11:00 am - Trevor Wooley: Circle method

Lunch

2:00 pm - Brendan Hassett: Equations of universal torsors

3:30 pm - Alexandra Shlapentokh: A ring version of Mazur's Conjecture on topology of rational points

4:10 pm - Andrew Kresch: Arithmetic of degree 2 del Pezzo surfaces

Saturday, December 14, 2002

9:30 am - Wayne Raskind: Descent on simply connected algebraic surfaces

11:00 am - Alexei Skorobogatov: Counterexamples to the Hasse principle not explained by

Lunch

2:00 pm - Problem session

Sunday, December 15, 2002

9:30 am - Per Salberger: Arithmetic Bezout and rational points of bounded height

11:00 am - Paul Vojta: Big semistable vector bundles

Free afternoon: Trip to see Steve Martin with Bob Osserman

Monday, December 16, 2002

9:30 am - Thomas Graber: Rationally connected varieties

11:00 am - Johan de Jong: Rationally connected varieties

Lunch

2:00 pm - People work on projects in small groups

Tuesday, December 17, 2002

9:30 am - Brendan Hassett: Weak approximation for function fields

11:00 am - Barry Mazur: Families of rationally connected subvarieties

Lunch

2:00 pm - People work on projects in small groups

4:00 pm - Bogomolov speaks in the Stanford Algebraic Geometry Seminar

Wednesday, December 18, 2002

9:30 am - Alexei Skorobogatov: A friendly introduction to non-abelian descent

11:00 am - Andrei Yafaev: Descent on certain Shimura curves

Lunch

2:00 pm - People work on projects in small groups

Thursday, December 19, 2002

9:30 am - Ramin Takloo-Bighash: Counting rational points on compactifications of $PGL(2)$

11:00 am - Emmanuel Peyre: Motivic zeta functions

Lunch

2:00 pm - People work on projects in small groups

Friday, December 20, 2002

9:30 am - David Harari: the Brauer group of torsors and its arithmetic applications

11:00 am - Victor Rotger: Rational points on Shimura varieties and fields of definition

Lunch

2:00 pm - Wrap-up session