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 Rasknd: Descent on simply connected algebraic surfaces
11:00 am - Alexei Skorobogatov: Counterexamples to the Hasse principle not explained by Manin obstruction
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