

Langue	anglais
Semestre	Printemps
Mode d'évaluation	Examen oral
Session	Juillet
Format de l'enseignment	

Cursus	Туре	ECTS
Pas de cursus	-	-

Algebraic curves | Gleb Smirnov - 14M252



Objectifs

This course gives and introduction to algebraic geometry and develops the theory of complex algebraic curves.

Description

- 1. Projective space(s). Plane algebraic curves. Bezout's theorem.
- 2. Rational curves.
- 3. Algebraic curves as complex manifolds. Branched coverings. The Riemann-Hurwitz formula.
- 4. Line bundles and divisors on curves.
- 5. The Riemann'Roch theorem for curves.
- 6. Metrics of constant negative curvature and uniformization theorem.
- 7. Moduli of elliptic curves.

Divers

Commentaires