

| 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. Bezouts 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 RiemannRoch theorem for curves.
- 6. Metrics of constant negative curvature and uniformization theorem.
- 7. Moduli of elliptic curves.

Divers

Commentaires