



Schweizerische Mathematische Gesellschaft
Société Mathématique Suisse

Frühjahrstagung / Rencontre de printemps 2017

Freitag / Vendredi, 5. Mai 2017, Universität Basel (Alte Universität)
Rheinsprung 9, 4051 Basel

Programm / Programmes

ab 15.30 Uhr Begrüssung - Kaffee / Accueil – Café

16.00-17.00 Uhr Geschäftssitzung / Assemblée générale, Hörsaal 101

17.00-17.15 Uhr Pause

17.15-18.15 Uhr Öffentlicher Vortrag / Exposé grand public, Hörsaal 101

Prof. Ivan Cheltsov (University of Edinburgh)

Title: Rational and non-rational varieties.

Abstract: Pythagorean triples are given by rational parametrization of the unit circle. Similarly, all conics in the plane admits a similar parametrization. This is no longer the case for the curves of higher degrees.

For example, non-singular plane cubic curves (elliptic curves) cannot be rationally parametrized. In dimension one and two, the problem of existence of such parametrization is completely solved.

In higher dimensions, the picture is less clear. In this talk, I will survey known results and open problems in this direction.

ab 19.00 Uhr Abendessen / Repas

(Anmeldung / Inscription : Jeremy.Blanc@unibas.ch

bis / jusqu'au 2.5.2017)