Séminaire de théorie des nombres

Le 14 mai 2018 à 14h (PRG)

Fibration with an action of torus

Exposé de Fei Xu
(Capital Normal University)

Résumé :

The fibration method for proving strong (weak) approximation requires that at least the restriction of Brauer groups of total spaces to the fibres over a Hilbert set is surjective so that one can apply the approximation property over the fibres. However, in many practical problems, the fibrations do not satisfy such a property. In this talk, we'll explain how one can overcome this difficulty if a torus acts on the fibration such that this fibration becomes a torsor over an open dense subset under the torus. This is a joint work with Yang Cao.