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Leibniz
Universität
Hannover

Oberseminar

Zahlentheorie und Arithmetische Geometrie

Dr. Diego Izquierdo
(MPI für Mathematik, Bonn)

“Homogeneous spaces, algebraic K-theory and cohomological dimension of fields”

In 1986, Kato and Kuzumaki stated a set of conjectures which aimed at giving a Diophantine characterization of the cohomological dimension of fields in terms of Milnor K-theory and points on projective hypersurfaces of small degree. Those conjectures are known to be wrong in general.

In this talk, we will prove a variant of Kato and Kuzumaki's conjectures in which projective hypersurfaces of small degree are replaced by homogeneous spaces. This is joint work with Giancarlo Lucchini Arteche.

Donnerstag, 31.01.2019
ab 12:00 Uhr, g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik