Universität Konstanz

**Fachbereich
Mathematik und Statistik**
Schwerpunkt
Reelle Geometrie und Algebra

Einladung

Im Oberseminar *Modelltheorie* hält

Gareth Jones
(University of Manchester)

am **Montag, 10.04.2017**, einen Vortrag zum Thema:

Pfaffian functions and elliptic functions

Der Vortrag findet um **15:15 Uhr** in **F426** statt.
Alle Interessenten sind herzlich eingeladen.

Abstract: After giving some motivation, I will discuss work in progress with Harry Schmidt in which we give a pfaffian definition of Weierstrass elliptic functions, refining a result due to Macintyre. The complexity of our definition is bounded by an effective absolute constant. As an application we give an effective version of a result of Corvaja, Masser and Zannier on a sharpening of Manin-Mumford for non-split extensions of elliptic curves by the additive group. We also give a higher dimensional version of their result.

Sebastian Gruler
Koordinator Oberseminar