

Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 29. November 2016

17 Uhr s.t., Geom H4

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The descent problem in the algebraic K-theory of ring spectra

Abstract:

A classical result of Thomason (later improved by the work of Voevodsky-Rost) states that a large piece of the algebraic K-theory of schemes can be calculated by a "local-to-global" methods; in particular, it gives a close relationship between algebraic and topological K-theory for varieties over the complex numbers.

We develop a partial analog of Thomason's theorem in the algebraic K-theory of structured ring spectra. The key input, which comes from stable homotopy theory, is a criterion for nilpotence in E_{∞} -ring spectra. This is joint work with Dustin Clausen, Niko Naumann, and Justin Noel.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.