Oberseminar Topologie: 15.04.2019

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„Witt vectors with coefficients."

Abstract:
In the first half of the talk I want to give an introduction to the classical story of Witt vectors over commutative rings.

In the second half, I want to discuss a generalisation of Hesselholt's noncommutative Witt vectors from recent work with Dotto, Nikolaus and Patchkoria. This is motivated by a connection to trace methods in algebraic K-theory, but also has a couple of interesting algebraic consequences, including a generalisation of characteristic polynomials to noncommutative rings.