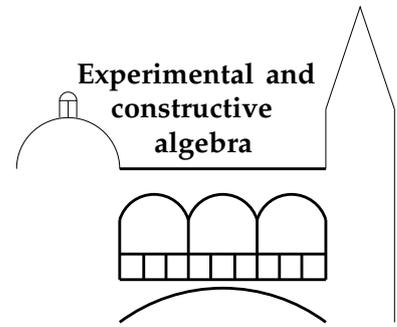


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 12. Dezember 2017, 14:00 Uhr, Hörsaal III

SIMON EISENBARTH (LEHRSTUHL D FÜR MATHEMATIK):
Self-Dual Codes

Error-correcting codes were first developed by Golay and Hamming in 1949 and 1950, respectively. Soon codes with additional algebraic structure received more attention. Among those codes, the self-dual codes are of particular interest, as they are connected to a variety of theories like lattices, Siegel modular forms, invariant theory etc. Self-dual codes, whose minimum distance meet a certain bound, are called extremal. In this talk I present the main theorems related to self-dual and extremal codes and show different ways to classify ternary, extremal codes with prescribed automorphism.

Wir laden alle Interessierten herzlich ein.