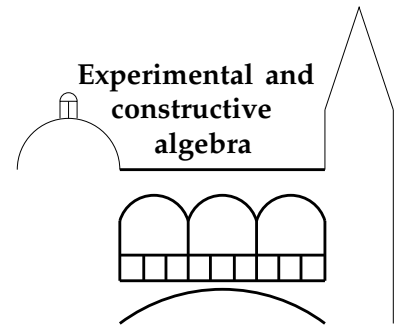


Graduiertenkolleg

Experimentelle und konstruktive Algebra



Kolloquiumsvortrag

Dienstag, 23. Januar 2018, 14:00 Uhr, SeMath

SIHUANG HU (LEHRSTUHL D FÜR MATHEMATIK):

A Bound on the Shannon Capacity via a Linear Programming Variation

We prove an upper bound on the Shannon capacity of a graph via a linear programming variation. We show that our bound can outperform both the Lovasz theta number and the Haemers minimum rank bound. As a by-product, we also obtain a new upper bound on the broadcast rate of Index Coding. This is a joint work with Itzhak Tamo and Ofer Shayevitz.

Wir laden alle Interessierten herzlich ein.