



## Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 17. Januar 2017**

17 Uhr s.t., Geom H4

Prof. Dr. Roland Speicher  
(Universität des Saarlandes)

### ***Free probability, random matrices, and non-commutative rational functions***

Abstract:

In free probability we want to understand the distribution of function in non-commuting variables. I will explain what this means and what we actually calculate. In particular, the variables will typically be random matrices or operators on Hilbert spaces and a prominent class of functions will be given by non-commutative rational functions.

For this talk, no prior knowledge on operator algebras or random matrices or free probability is assumed.

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