



## Mathematisches Kolloquium

Am Freitag, dem 23. November 2018 spricht um 14 Uhr c. t. im Hörsaal IV  
der Fachrichtung Mathematik (Gebäude E24)

**Prof. Dr. Michael Hartz**  
**FernUniversität Hagen**

über das Thema:

### **Pick's theorem and the Kadison-Singer problem**

*Abstract:* Pick's theorem is a century-old theorem in complex analysis about interpolation with bounded analytic functions. The Kadison-Singer problem was a question about states on  $C^*$ -algebras originating in the work of Dirac on the mathematical description of quantum mechanics. It was solved by Marcus, Spielman and Srivastava a few years ago.

I will talk about Pick's theorem, the Kadison-Singer problem and how the two can be brought together to solve interpolation problems with infinitely many nodes. This talk is based on joint work with Alexandru Aleman, John McCarthy and Stefan Richter.

Der Gast wird von Prof. Dr. Jörg Eschmeier betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee und Tee ab 13.45 Uhr im Didaktiklabor der Mathematik (Erdgeschoss, Raum 114)

**Die Dozenten der Mathematik**