



Mathematisches Kolloquium

Am Freitag, dem 25. Januar 2019 spricht um 14 Uhr c. t. im Hörsaal IV
der Fachrichtung Mathematik (Gebäude E2 4)

PD Dr. Markus Kunze
Universität Konstanz

über das Thema:

Mean ergodic theorems on norming dual pairs

Abstract: We first give a brief introduction to semigroups on norming dual pairs and explain how this theory can be used to study Markovian semigroups, i.e. transition semigroups of Markov processes. We then turn to our main topic and present a generalization of the classical mean ergodic theorem to semigroups on norming dual pairs. Unfortunately, not all classical equivalences remain valid in our more general situation, as we show by concrete examples. However, in applications to Markovian semigroups all equivalences are valid, provided the semigroup in question satisfies the strong Feller property. This is joint work with Moritz Gerlach.

Der Gast wird von PD Dr. Yana Kinderknecht betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee und Tee ab 13.45 Uhr im Konferenzraum der Mathematik (Erdgeschoss, Raum 1.03)

Die Dozenten der Mathematik