



**Universität
Münster**

FACHBEREICH 10
MATHEMATIK UND INFORMATIK
Prof. Dr. Arthur Bartels
Dekan

25.06.2025

Einladung

zu der am Mittwoch, den 2. Juli 2025,
um 10:30 Uhr im Hörsaal M4 stattfindenden

Antrittsvorlesung

von Frau Prof.‘in Dr. Shirly Geffen

über das Thema

„Regularity properties in C^* -algebras“

Kurzfassung:

I will review some recent results, characterizing certain regularity properties of crossed product C^* -algebras via dynamical conditions.

I will then motivate the concept of stable rank one, a dimension-type property equivalent to the density of invertible elements: $GL(A)=A$, and report on ongoing joint work with Jamie Bell and David Kerr, exploring dynamical properties that imply stable rank one for crossed product C^* -algebras.

gez. Arthur Bartels, Dekan