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*Fakultät 4, Mathematik
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Raum: G.15.19

Im Rahmen der

AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

**The closed range property of the Cauchy–Riemann operator for
open sets in \mathbb{C} .**

(Anne-Katrin Gallagher)

am **Donnerstag, den 21.02.2019, um 14 Uhr c.t. in Raum G.15.25.**

Abstract: This talk will be about necessary and sufficient potential-theoretic conditions for the $\bar{\partial}$ -operator, defined on an open set $\Omega \subset \mathbb{C}$, to have closed range in $L^2(\Omega)$. Understanding the situation in one complex variable is a first step towards describing the closed range property in higher dimensions. A reason for this being interesting in \mathbb{C} is that the closed range property holds for $\bar{\partial}$ on $\Omega \subset \mathbb{C}$ if and only if the Poincaré–Dirichlet inequality holds on Ω .

This is joint work with Jiri Lebl and Koushik Ramachandran.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina