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Im Rahmen der

AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

**Bergman-Szegő kernel asymptotics
in weakly pseudoconvex finite type cases
(Dr. Nikhil Savale, University of Cologne)**

am **Mittwoch, den 10.02.2021, um 16 Uhr c.t. online (Zoom Link siehe Email).**

Abstract: We construct a pointwise Boutet de Monvel-Sjöstrand parametrix for the Szegő kernel of a weakly pseudoconvex three dimensional CR manifold of finite type assuming the range of its tangential CR operator to be closed; thereby extending the earlier analysis of Christ. This particularly extends Fefferman's boundary asymptotics of the Bergman kernel to weakly pseudoconvex domains in \mathbb{C}^2 , in agreement with D'Angelo's example. Finally our results generalize a three dimensional CR embedding theorem of Lempert. This is a joint work with Chin-Yu Hsiao.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina