Leibniz Universität Hannover

Oberseminar
Analysis und Theoretische Physik

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A smoothing property of the Bergman projection

Let D be a smoothly bounded domain in $\mathbb{C}^n$. We show that the derivatives of the output of the Bergman projection on D, measured in $L^2(D)$, only depend on derivatives of the input in the so-called bad tangential direction. This lets us describe a family of functions on D, larger than $C^\infty(\overline{D})$, whose image under the Bergman projection is contained in $C^\infty(\overline{D})$. This is joint work with Jeff McNeal and Emil Straube.

Dienstag, 1.12.2015, 15:00h, Raum g005
Hauptgebäude der Leibniz Universität

Dazu laden herzlich ein:
Prof. Dr. Wolfram Bauer
Prof. Dr. Joachim Escher
Prof. Dr. Olaf Lechtenfeld
Prof. Dr. Elmar Schrohe
Prof. Dr. Christoph Walker

Weitere Informationen finden Sie auch unter http://www.ifam.uni-hannover.de/os_analysis.html