



Oberseminar Analysis und Theoretische Physik

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**“Integro-differential operators with nonlinear
directional dependence”**

Abstract:

After an introduction to nonlocal operators we formulate a result on Hölder regularity results for a class of nonlinear elliptic integro-differential operators with integration kernels whose ellipticity bounds are strongly directionally dependent. These results extend those of Cafarrelli/Silvestre (2009). The estimates are uniform as the order of operators approaches 2, i.e. the diffusion limit. We explain the strategy of the proof.

Dienstag, 11.06.2013, 15:00 Uhr, Raum g005
Hauptgebäude der Universität

Über Ihren Besuch würden sich freuen:

Prof. Dr. Joachim Escher
Prof. Dr. Olaf Lechtenfeld
Prof. Dr. Elmar Schrohe
Prof. Dr. Christoph Walker