



Institut für
Angewandte Mathematik



Leibniz
Universität
Hannover

Institut für Angewandte Mathematik
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Oberseminar Analysis und Theoretische Physik

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MPI MIS Leipzig**

„Existence of weak solutions for single-layer and bilayer lubrication systems considered for different slip conditions“

Abstract:

In this talk we present proofs of existence of global nonnegative weak solutions for one-dimensional fourth order lubrication models as well as coupled lubrication systems that describe the dewetting process of single-layer and bilayer nanoscopic thin polymer films on hydrophobized solid substrates and take into account different slip conditions at both liquid-liquid and liquid-solid interface.

**Dienstag, 29.01.2013, 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