

# Mathematisch-Physikalisches Kolloquium

am **02.11.2010** um **17:15** Uhr  
im Kleinen Physikhörsaal (F342, Welfengarten 1)

***The interaction of a gap with a free boundary in  
a two-dimensional dimer system***

**Prof. Dr. Christian Krattenthaler**  
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*Abstract:*

*I shall consider a rhombus tiling model (equivalently, a dimer model on a hexagonal graph) with a free boundary. The correlation of a small triangular hole in this model will be determined. As I shall explain, this kind of problem features phenomena which are parallel to phenomena in electrostatics. This is joint work with Mihai Ciucu.*

*Eingeladen von Prof. Dr. Martin Rubey*