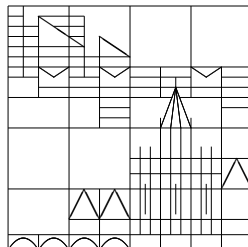


Universität Konstanz
Fachbereich
Mathematik und Statistik



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Konstanz, den 25. November 2011

Im
Oberseminar Partielle Differentialgleichungen
wird am
Donnerstag, dem 1. Dezember 2011
folgender Vortrag gehalten:

Prof. Dr. Felix Finster (Universität Regensburg):
“Causal fermion systems and causal variational principles“

Zeit: 14:15 Uhr

Raum: F 426

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: Causal fermion systems provide a general framework for the formulation of relativistic quantum theory. From the perspective of mathematical analysis, the interesting point are the so-called causal variational principles, a class of nonlinear variational principles whose minimizers have a surprisingly rich and so far largely unexplored structure. After a brief introduction to the mathematical framework, I review existence results and explain a few structural results on the minimizing measure.

(invited by Oliver Schnürer und Heinrich Freistühler)