Institut für
Mathematische Stochastik

Georg–August–Universität

Institut für Mathematische Stochastik, Maschmühlenweg 8 - 10, 37073 Göttingen

25. Oktober 2005

Einladung

Im Stochastik-Kolloquium spricht

PD Dr. Alexander Lindner

TU München

über das Thema

Lévy copulas: dynamics and construction of Lévy measures with prescribed properties

Der Vortrag findet statt am

Mittwoch, 14.12.2005 um 11:15 Uhr

im

Seminarraum der Stochastik, Maschmühlenweg 8 - 10

Es laden ein: die Dozenten des Instituts für Mathematische Stochastik

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Abstract:
Copulas are a common tool for modelling multivariate distributions. They allow to describe the dependence structure separately from the margins. However, for Lévy processes, the copula concept faces some difficulty, since the copula does not transfrom easily in time. In 2003, Tankov introduced the concept of Lévy copulas, which offers a different way to describe dependence in Lévy processes. Rather than modelling the multivariate distribution functions, Lévy copulas model the multivariate Lévy measure. In this talk we will discuss some consequences of the Lévy copula concept. In particular, we shall discuss how Lévy copulas can be used to model specific infinitely divisible distributions with prescribed margins. The talk is based on joint work with Ole Barndorff-Nielsen.