



universität
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Fakultät für Mathematik

Mathematisches Kolloquium

Mittwoch, 10. Jänner 2018

Sky Lounge

EINLADUNG

Mathieu Rosenbaum

(Ecole Polytechnique)

"Understanding the nature of volatility"

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Abstract:

In finance, the volatility process corresponds to the intensity of variations of prices. It has been recently shown that this process exhibits some very specific features, which are the same across all assets. In particular, volatility sample paths are systematically very rough, much rougher than those of a Brownian motion for example. In this talk we try to understand the mechanisms underlying this universal phenomenon. We show that only such a rough behavior of the volatility process can lead to viable financial markets.

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

vinum cum pane im Anschluss

Walter Schachermayer
Christian Krattenthaler