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Leibniz
Universität
Hannover

Mathematische Stochastik

NTH Kolloquium

Prof. Dr. Markus Reiß

Humboldt-Universität zu Berlin

Asymptotic equivalence for volatility models under microstructure noise

The basic model for high-frequency data in finance is considered, where an efficient price process is observed under microstructure noise. It is shown that this nonparametric statistical model is in Le Cam's sense asymptotically equivalent to a Gaussian shift experiment in terms of the square root of the volatility function σ . As an application, simple rate-optimal estimators of the volatility and efficient estimators of the integrated volatility are constructed.

Freitag, 7.5.2010, 17:45 Uhr, Raum f 442
Hauptgebäude der Leibniz Universität

Ab 17:30 Uhr werden im Raum f 448 Kaffee und Gebäck gereicht.

Es laden herzlich ein:

Prof. Dr. L. Baringhaus
Prof. Dr. R. Grübel
Prof. Dr. J.-P. Kreiß
Prof. Dr. A. Lindner
Prof. Dr. S. Weber