We discuss current research topics from numerical finance:

- Fourier methods,
- Monte Carlo methods,
- Sparse grid methods,
- Reduced basis methods,
- FE and FD methods,

for different type of models (including energy markets and Lévy models).

- Master students.
- Requirements: Numerical finance, financial mathematics.
- To register please send an email to: sebastian.kestler@uni-ulm.de
- Preliminary discussion: 29.01.2013, 13:00 in room 220 He 18.

Figure: Price of a barrier basket option in a Lévy copula model.
Criteria for successful conclusion:

- Independent studies of a current research topic in numerical finance.
- Written seminar work in \LaTeX:
  - Mathematically precise description of the chosen topic in your own words.
  - 15 – 20 pages.
- Beamer presentation: about 40 minutes including discussion.

Seminar work can serve as basis for a master thesis.

Event mode: Depends on the number of participants.

A tentative list of topics and further information can be found here: