

Prof. Dr. Stefan Volkwein
Stefan.Volkwein@uni-konstanz.de

18.5.2015

Im Oberseminar

Numerik

wird am

Mittwoch, den 20. Mai 2015
folgender Vortrag gehalten:

Efficient simulation of hyperbolic flows on graph structures

Frau Dr. Sara Grundel

Max Planck Institute for Dynamics of Complex Technical Systems Magdeburg

Zeit: 10:15 Uhr

Raum: H 305

Abstract:

Simulation of hyperbolic flows in graph structures is challenging for several reasons. In this talk many of them are mentioned. One focus will be on the formulation as a Differential Algebraic System and why we really have to be careful on how to do it. The second focus will be on fast simulation of the discretized system. Fast simulation means Model Order Reduction Methods, but also time integration schemes.

Interessenten sind herzlich willkommen!

gez. Stefan Volkwein