

GASTVORTRAG

Die Arbeitsgruppe Numerical Analysis lädt zu folgendem Vortrag ein:

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Fast Fourier Spectral Methods for Nonlinear Boltzmann Kinetic Equations — Algorithms and Analysis

Boltzmann equation is one of the central equations in kinetic theory and finds applications in many science and engineering disciplines. Numerical approximation of the Boltzmann equation is a challenging problem due to its high-dimensional, nonlocal, and nonlinear collision integral. I will discuss recent progress on development of fast Fourier-Galerkin spectral methods for Boltzmann type collisional kinetic equations. I will also present a new stability and convergence result of the method.

Zeit: **Dienstag, 01. März 2022 um 16.00 Uhr**

Ort: **Technikerstraße 13/Erdgeschoss, HSB 6**

Gäste sind herzlich willkommen!

Lukas Einkemmer