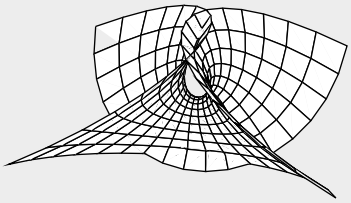

# Oberseminar Mathematische Strömungsmechanik

Institut für Mathematik der Julius-Maximilians-Universität Würzburg


*Praveen Chandrashekar*

Tata Institute for Fundamental Research
Centre For Applicable Mathematics, Bangalore, India


# Entropy stable schemes for hyperbolic conservation laws


*Abstract:*

The entropy condition provides a non-linear stability property for numerical the discretization of hyperbolic conservation laws. In recent years, there have been a lot of developments in constructing high order entropy stable schemes. In this talk, I will explain the idea of using the *summation-by-parts property* to construct entropy stable discontinuous Galerkin methods, taking 1-D models as an example.


room 40.03.003 (Emil Fischer Str. 40)

Thursday, May 16 at 12:30 pm

Zu diesem Vortrag sind Sie herzlich eingeladen.

*gez. Christian Klingenberg*