

Einladung zum Würzburger Mathematischen Kolloquium

Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

Praveen Chandrashekar

Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Bangalore,
India.

Numerical Methods for Plasma

Mittwoch, der 26. Juni 2019 • 16:15 Uhr

Raum SE 40, Mathematik Ost, Emil-Fischer-Str. 40, Campus Hubland-Nord

Inhaltsangabe:

Plasma is a state of matter in which the atoms and molecules are in an ionized state. Most of the matter in the universe is in the plasma state and hence its study is important to understand physical phenomena. The talk will deal with fluid models for plasma which are conservation laws of ideal fluids together with a Lorentz force due to the electromagnetic field. The magnetic field must have zero divergence since magnetic monopoles do not occur in nature. The construction of numerical schemes for MHD is mainly related to this issue of divergence constraint. The talk will give an overview of some strategies to construct robust and accurate numerical schemes for ideal compressible MHD.



<https://www.mathematik.uni-wuerzburg.de/de/aktuelles/kolloquium/>

Zu diesem Vortrag laden wir Sie herzlich ein.
Im Anschluss an den Vortrag stehen Tee und Kaffee im Foyer vor dem SE 40 bereit.

Die Dozentinnen und Dozenten der Mathematik

