Einladung zum

Würzburger Mathematischen Kolloquium

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

Prof. Dr. Sarka Necasova

Institute of Mathematics, Academy of Sciences of the Czech Republic

Motion of fluids: applications in astrophysics, in medicine and in other areas

Mittwoch, 25. Jan. 2017 • 16:15 Uhr

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

Inhaltsangabe

The main goal of the study is to develop a complete mathematical theory for system of partial differential equations describing the full thermomechanical behaviour of fluids (non-homogeneous) with (without) complicated rheological properties or with fixed (varying) boundary. Problems of this type arise naturally in industry, biomedicine (e.g. blood flow), astrophysics, and in environmental sciences (oceanography, meteorology). The lecture will cover some aspects of this like asymptotic regimes for the compressible Navier-Stokes-Fourier system coupled to the radiation and other topics.

Zu diesem Vortrag laden wir Sie herzlich ein.
Im Anschluss an den Vortrag findet ein Stehempfang statt.

Die Dozentinnen und Dozenten der Mathematik