



Oberseminar Mathematische Strömungsmechanik

Institut für Mathematik der Julius-Maximilians-Universität Würzburg

Hongxu Chen

Chinese University of Hongkong

Initial value problem of the Boltzmann equation

Abstract:

In this talk, I will discuss the initial value problem of the Boltzmann equation. Formally, the Boltzmann equation can be viewed as an approximation of the compressible Navier-Stokes equation. The long-time behavior of both systems is expected to be similar to that of the heat equation. I will present classical results on the asymptotic behavior of the Boltzmann equation in two settings: the whole space and bounded domains. Key ideas and arguments will be mentioned.

room 40.03.003 (Emil Fischer Str. 40)

Donnerstag, Jan. 30, 2025 at 12:30 pm, via Zoom

please request the Zoom link from Christian Klingenberg

Zu diesem Vortrag sind Sie herzlich eingeladen.

gez. Christian Klingenberg