

Winter Semester 2010/2011

Introduction to COMPUTATIONAL ASTROPHYSICS

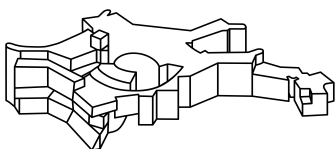
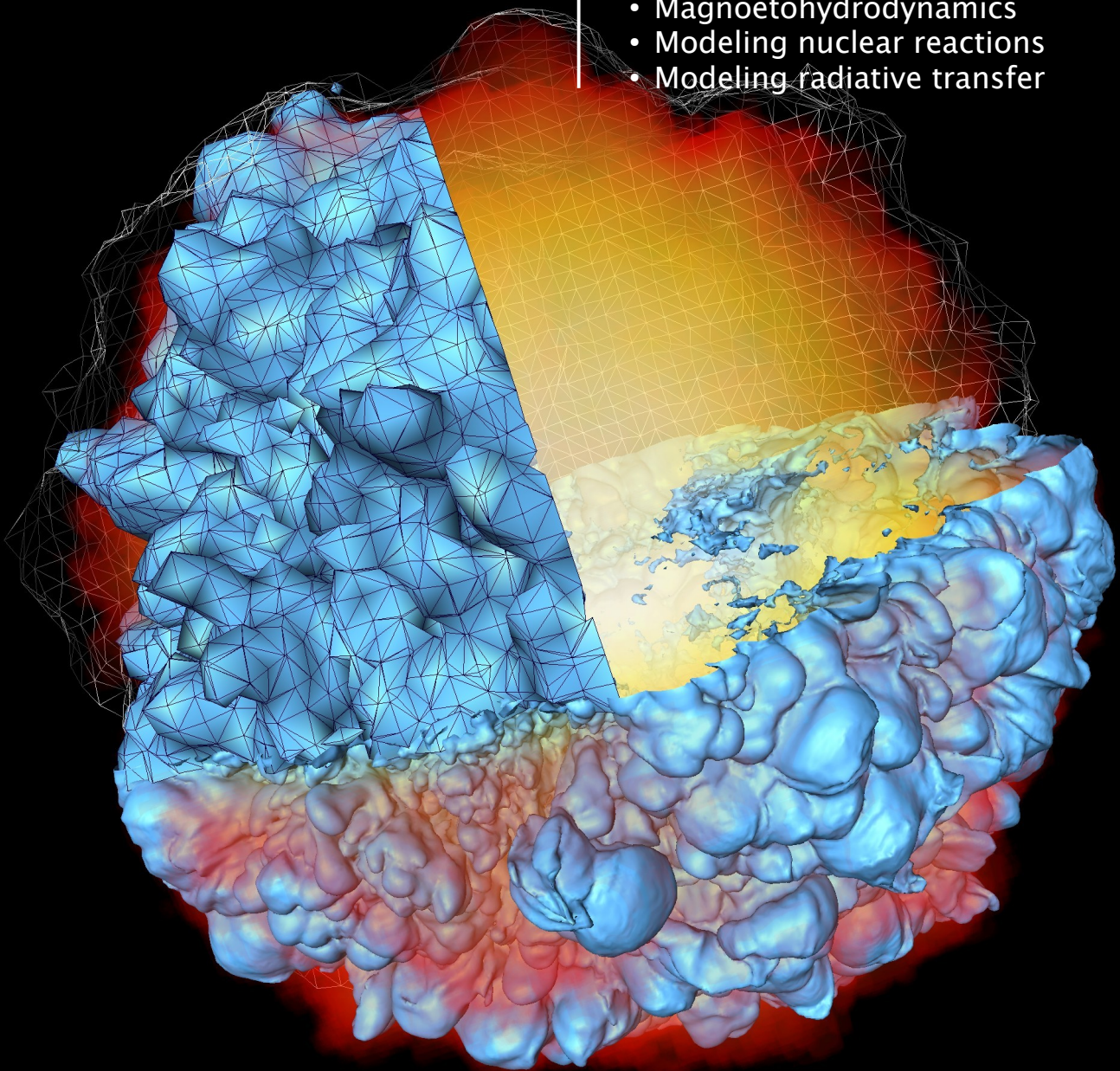
PD Dr. Ewald Müller and

PD Dr. Friedrich Röpke,

Max-Planck-Institut für Astrophysik
and Technische Universität München

Syllabus:

- Astrophysical concepts
- Numerical concepts
- Modeling gravity
- Computational fluid dynamics
- Relativistic CFD
- Magneto hydrodynamics
- Modeling nuclear reactions
- Modeling radiative transfer



Technische Universität München
Thursday, 14:00–16:00, PH II 127, Garching

