IMPRS UFAST

MAX-PLANCK-GESELLSCHAFT

IMPRS UFAST core course

Solid State Physics

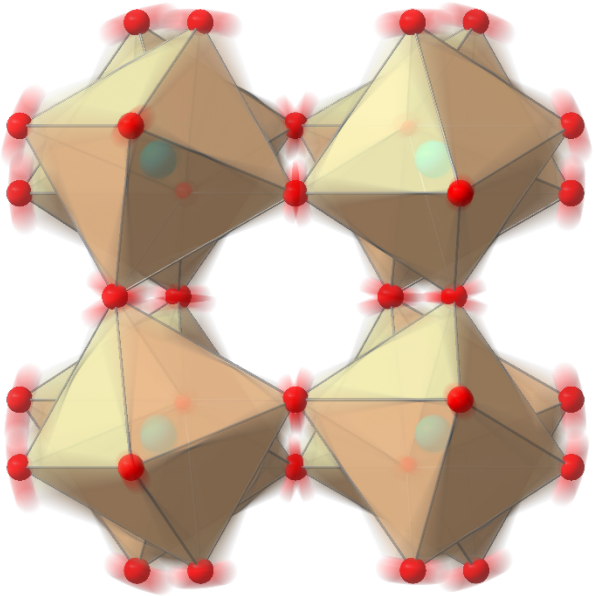
Robert Feidenhans'l

Abstract:

From a microscopic point of view, a solid is just a regular arrangement of atoms, embedded in a soup of electrons. Yet, a remarkably rich manifold of phenomena emerges from this simple starting point, ranging from simple metals and semiconductors to multiple kinds of magnetic order or superconductivity. In this course we will discuss basic properties of solids and their microscopic understanding.

Topics include:

- band theory
- screening
- phonons
- ordered phases



Building 99 (CFEL) , Seminar room O2.068

11th – 15th November 2024

09:30 h – 12:30 h

Register on Geventis I-UF C3

Registration deadline: 5th November

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