

IMPRS UFAST core course
Solid State Physics
 Michael Sentef

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

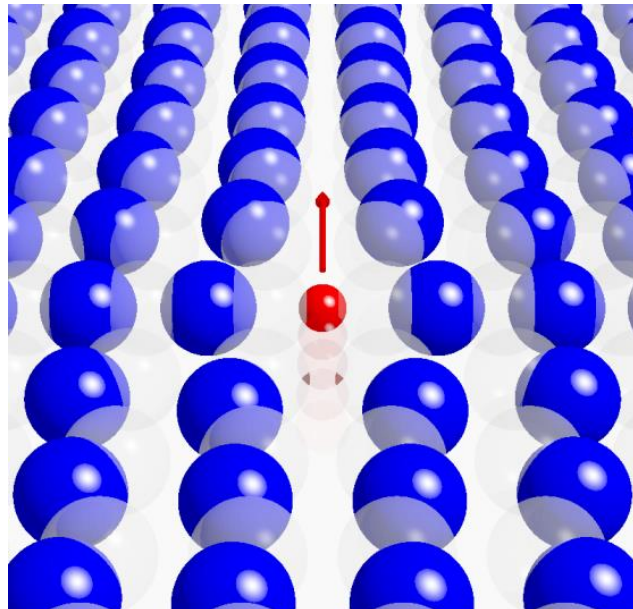


Image © MIT

22nd – 26th February 2021 09:30h – 12:30h (online)

Register on Geventis I-UF C3