



IMF II at a Glance

Head of institute: Prof. Dr. O. Kraft

Mechanics of materials

Biomechanics

Fusion materials laboratory

At IMF II we investigate metallic, ceramic, polymer and natural materials. For the theoretical description of damage routines analytical methods, especially the method of Finite Elements, are applied. Here fore we develop and employ models for the acquisition of experimentally generated materials data. Materials research on irradiated, highly radioactive materials can be performed in our hot cell laboratory. To perform mechanical testing we are equipped with static and dynamic materials testing facilities in a temperature range between RT and 1800 K as well as with facilities for micro testing.