UMENO LAB.

Unveiling Nano-Micro Mechanophysics for hierarchical Multiscale Simulation



Department of Fundamental Engineering Center for Research on Innovative Simulation Software

Nano-Micro Mechanophysics

Department of Mechanical Engineering, Graduate School of Engineering

Atomistic simulation of crystal deformation and fracture

http://www.cmsm.iis.u-tokyo.ac.jp/en/index.html

Unveiling Nano-Micro Mechanophysics for hierarchical Multiscale Simulation

We aim to reveal the mechanical and physical properties of nanomaterials by ab initio density functional theory calculations and molecular dynamics simulations. We also work on multiscale simulation based on knowledge of nano-microscale phenomena.



