

Intro to MD Simulations

Some possible investigations with the ion Coulomb crystal simulator

PDF-file "Some possible investigations":

- 1) Properties of linear chain of ions.
- 2) Structural phase transitions.
- 3) Minimum energy states for spherical Coulomb crystals
- 4) Melting of Coulomb crystals.
- 5) Make simulations of multi-species crystals

The relevant articles can be found in the folder "Some background literature for MD simulations". In each article the important parts for the exercises above are marked by yellow.