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Molecular Dynamics and Lattice-Boltzmann Simulation of Complex Fluids in Porous Media

Edo BOEK

LCN London Centre for Nanotechnology & Dept. of Chemistry UCL London, U.K.

Abstract:

I will present examples of recent research into the structure and flow of complex fluids in porous media, using multi-scale simulation methods, including Molecular Dynamics and lattice-Boltzmann computer simulations.