

3D versus 2D Freezing of a Lennard-Jones Fluid in a Slit Pore.

We investigate a Lennard-Jones fluid in an attractive slit pore where the distance between walls can be changed and the pore can accommodate from 1 to 7 layers of fluid. We inspect how the system behaves with cooling and how the manner of the transition changes from the quasi-2d behaviour to the 3d.