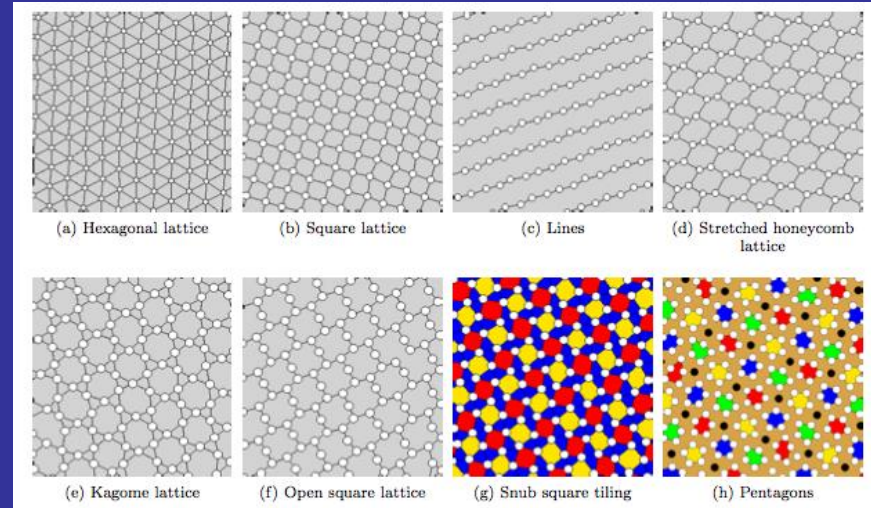
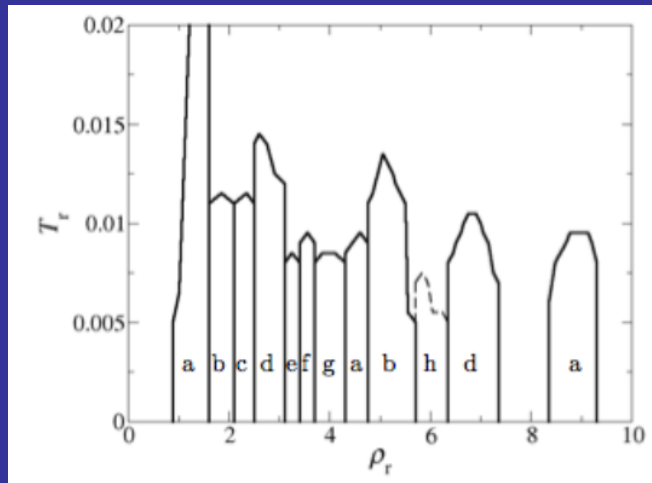


Phase behavior of ultra-soft nanoparticles and polymer brushes on curved templates

Angelo Cacciuto, Department of Chemistry, Columbia University

We computed the phase diagram of several model systems for ultra-soft nanoparticles. Here we present some of the different structures obtained for generalized Hertzian particles in two dimensions



We elucidated the mechanism behind the micro-phase separation developing on polymers brushes of different length on a curved template. We found simple scaling laws describing the physics of the problem

