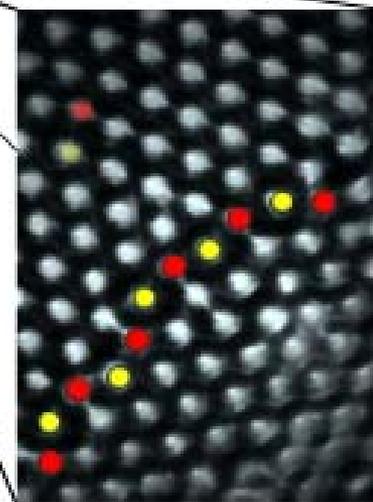
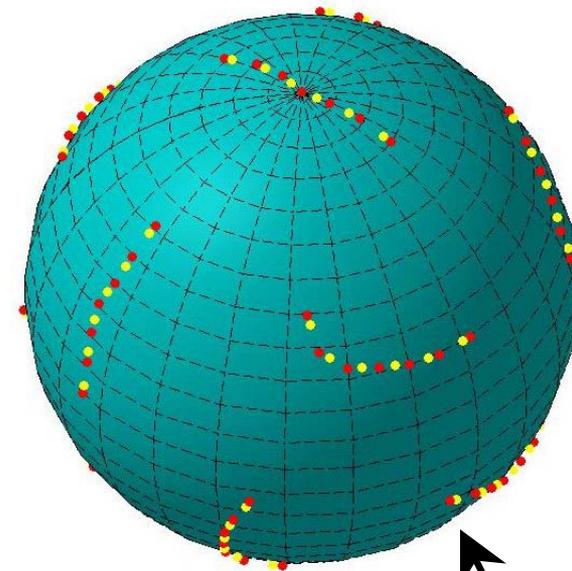
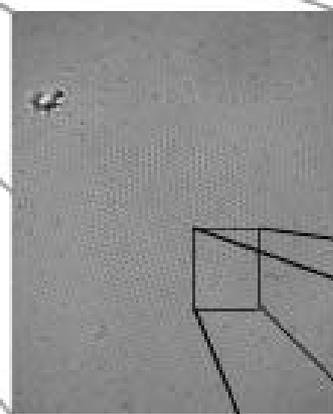
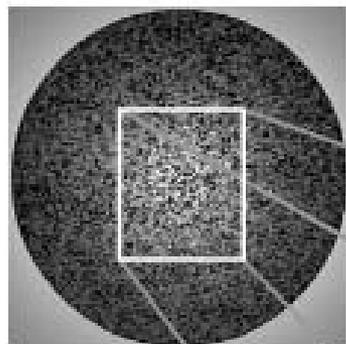


Spherical Crystals, Mark Bowick, Syracuse University

DMR-0219292 (ITR): A. Bausch et al. Science 299 (2003) 1716



1 μm diameter beads adsorbed on spherical water droplets in oil self-assemble into 2d spherical crystals with 12 *scars* - freely terminating grain boundaries.

Theoretical defect configurations are obtained by numerical minimization of a Hamiltonian of defects in an elastic background.