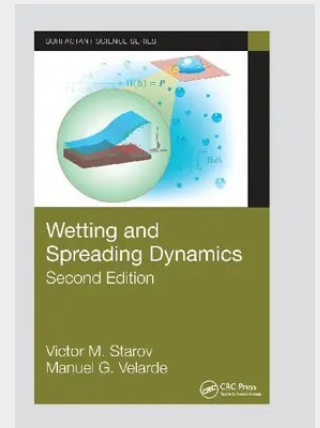


Wetting and Spreading Dynamics, Second Edition

Wetting and Spreading Dynamics explains how surface forces acting at the three-phase contact line determine equilibrium, hysteresis contact angles, and other equilibrium and kinetics features of liquids when in contact with solids or with other immiscible liquids. It examines the interaction of surface forces, capillary forces, and properties of the transition zone between the bulk liquid and solid substrate. Significantly revised and updated, the Second Edition features new chapters that cover spreading of non-Newtonian liquids over porous substrates, hysteresis of contact angles on smooth homogeneous substrates, equilibrium and hysteresis contact angles on deformable substrates, and kinetics of simultaneous spreading and evaporation. Drawing together theory and experimental data while presenting over 150 figures to illustrate the concepts, Wetting and Spreading Dynamics, Second Edition is a valuable resource written for both newcomers and experienced researchers.

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