



Fluid mechanics of surfactant and polymer solutions /

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Monografía

Colloidal systems and dispersions are of great importance in oil recovery, waste water treatment, coating, food and beverage industry, pharmaceutical industry, medicine, environmental protection etc. Colloidal systems and dispersions are always multi-component and multiphase systems. In these systems at least one dimension is in a range of colloidal forces action: colloidal dispersions/emulsions are examples of three dimensional colloidal systems, while thin liquid films are examples of one dimensional colloidal systems. The contribution presented in this issue deals with flow, distribution and redistribution, coating and deposition of surfactant and polymer molecules in colloidal systems. The book presents reviews of recent advances and trends by well-known scientists and engineers in this area

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Contenido: Preface -- Effect of Surfactants on Drop Stability and Thin Film Drainage (K. Danov) -- Surfactants Effects on Mass Transfer in Liquid-Liquid Systems (A. Mendes) -- Characterisation of Adsorption Layers at Liquid Interfaces-Studies with Drop and Bubble Methods (R. Miller, V. Fainerman) -- Kinetics of Spreading of Surfactant Solutions (V. Starov) -- Behaviour of Fluorochemical-Treated Fabric in Contact with Water (A.R. Estelrich)

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