

# Download Dynamics Of Bubbles Drops And Rigid Particles

Abstract - Results gathered from the literature on the dynamics of bubbles in liquid are correlated by means of a formulation traditionally employed to describe the dynamics of isometric solid particles. It is assumed that the shape of the bubble depends, by means of the Eotvos number, on its ...2.. Adsorption to interfaces There are now many methods to synthesise small, monodisperse particles of different shape and surface coating. If the coating, e.g. alkylsilane or fluorocarbon, is homogeneous over the particle surface following, say, reaction in the vapour phase, such particles are surface-active but, unlike surfactants, are not amphiphilic. JOURNAL OF COMPUTATIONAL PHYSICS 39, 201-225 (1981) Volume of Fluid (VOF) Method for the Dynamics of Free Boundaries\* C. W. HIRT AND B. D. NICHOLS Los Alamos Scientific Laboratory, Los Alamos, New Mexico 87545 Received November 1, 1979 Several methods have been previously used to approximate free boundaries in finite-difference numerical simulations. I am a physicist with 30+ years of experience in fluid dynamics. My focus is on gaining fundamental insight in a variety of aspects of heat and mass transport in laminar flows and turbulence.