

Contents

Hemorheology: Non-Newtonian Constitutive Models for Blood Flow Simulations	1
Adélia Sequeira	
Old Problems Revisited from New Perspectives in Implicit Theories of Fluids	45
Giuseppe Saccomandi and Luigi Vergori	
Lectures on Hyperbolic Equations and Their Numerical Approximation	91
Eleuterio F. Toro	
An Introduction to the Homogenization Modeling of Non-Newtonian and Electrokinetic Flows in Porous Media	171
Andro Mikelić	
Viscoplastic Fluids: Mathematical Modeling and Applications	229
Angiolo Farina and Lorenzo Fusi	