

CONTENTS

<b>Foreword</b>	<b>v</b>
<b>Physico-Chemical Thermodynamics of Material Systems: A Review of Basic Concepts and Results</b>	<b>1</b>
<i>Armando Fernández Guillermet</i>	
<b>Computational Methods for Mesoscopic, Inhomogeneous Plastic Deformation</b>	<b>75</b>
<i>Nasr M. Ghoniem</i>	
<b>Fingering in Thin Layer Electrodeposition</b>	<b>159</b>
<i>M. Q. López-Salvans, F. Sagués, J. Claret and J. Casademunt</i>	
<b>Pattern Formation and Surface Modification Technologies</b>	<b>197</b>
<i>D. Walgraef</i>	
<b>A Review on the Problem of Measuring Non-Linear Damping and the Obtainment of Intrinsic Damping</b>	<b>249</b>
<i>O. A. Lambri</i>	
<b>A Review of Growing Interfaces in Quenched Disordered Media</b>	<b>281</b>
<i>L. A. Braunstein, R. C. Buceta, A. Díaz-Sánchez and N. Giovambattista</i>	
<b>Path Integral Approach to Nearest Neighbor Particle Distance</b>	<b>305</b>
<i>A. D. Sánchez, H. S. Wio and M. A. Rodríguez</i>	
<b>Plastic Instabilities and Dislocation Patterns</b>	<b>311</b>
<i>D. Walgraef</i>	
<b>One-Dimensional Recrystallization</b>	<b>327</b>
<i>C. H. Wörner</i>	