

Contents

Basic Equations of Continuum Mechanics	1
Holm Altenbach and Victor A. Eremeyev	
Phenomenological Yield and Failure Criteria	49
Holm Altenbach, Alexandre Bolchoun and Vladimir A. Kolupaev	
Plasticity of Cellular Metals (Foams)	153
Thomas Daxner	
Transmission Conditions for Thin Elasto-Plastic Pressure-Dependent Interphases	205
Gennady Mishuris, Wiktoria Miszuris, Andreas Öchsner and Andrea Piccolroaz	
Effect of Pressure-Dependency of the Yield Criterion on the Strain Rate Intensity Factor	253
Sergei Alexandrov, Elena Lyamina and Yeau-Ren Jeng	
Mechanical Response of Porous Materials: The Gurson Model	349
Luiz. A. B. da Cunda and Guillermo J. Creus	