

Contents

LIST OF CONTRIBUTORS		vi
PREFACE		vii
CHAPTER 1	Recent results in the dynamics of stationary and running cracks (D. Gross)	1
CHAPTER 2	Analysis of stable and unstable crack growth (A. Neimitz)	57
CHAPTER 3	Fracture dynamics in one-dimensional strain (J.R. Klepaczko and P. Chevrier)	90
CHAPTER 4	Multiaxial damage and fatigue conditions (Z. Mróz and A. Seweryn)	117
CHAPTER 5	Continuum damage mechanics modeling of creep-damage and elastic-damage-fracture in materials and structures (J. Skrzypek, H. Kuna-Ciskal and A. Ganczarski)	181
CHAPTER 6	Micromechanical, phenomenological, and lattice modeling of brittle damage (M. Basista)	236