1.	Record Nr.	UNINA9910784961103321
١.	Titolo	Dynamic fracture mechanics [[electronic resource] /] / editor, Arun
	TILOIO	Shukla
	Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2006
	ISBN	1-281-92468-7
		9786611924683
		981-277-332-0
	Descrizione fisica	1 online resource (374 p.)
	Altri autori (Persone)	ShuklaA (Arun)
	Disciplina	620.1/26
	Soggetti	Fracture mechanics
		Structural dynamics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Contents ; Preface ; 1 Modeling Dynamic Fracture Using Large-Scale Atomistic Simulations ; 1 Introduction ; 2 Large-scale atomistic modeling of dynamic fracture: A fundamental viewpoint ; 3 Constrained cracks in homogeneous materials: How fast can cracks propagate? 4 Dynamical crack tip instabilities 5 Dynamic crack propagation along interfaces between dissimilar materials: Mother- daughter- and granddaughter cracks ; 6 Summary and conclusion ; Acknowledgments ; References ; 2 Dynamic Crack Initiation Toughness ; 1 Introduction 2 Mode I initiation toughness: Compact compression Specimen and H integral 3 The one-
		point impact technique ; 4 Specific issues related to the one-point impact technique
		; 5 Characteristic experimental results ; 6
		On the rate sensitivity of the dynamic initiation toughness 7 Dynamic mode II loading 8 Effects of
		thermomechanical couplings in fracture
		; 9 Discussion and conclusion ; References

; 3 The Dynamics of Rapidly Moving Tensile Cracks in Brittle Amorphous Material

; 1 Introduction

2 A quantitative comparison of the equation of motion with experiment 3 Instability in dynamic fracture ; 4 Crack

Front Waves ; 5 Three Dimensional Effects and Crack
Front Inertia ; 6 Discussion and

conclusions ; References ; 4 Optical

Methods for Dynamic Fracture Mechanics

1 Photoelasticity

## Sommario/riassunto

Covering a wide variety of topics in dynamic fracture mechanics, this volume presents state-of-the-art experimental techniques and theoretical analysis on dynamic fracture in standard and exotic materials. Written by world renowned researchers, this valuable compendium contains eleven chapters on crack initiation, crack propagation, crack arrest, crack-stress wave interactions, and experimental, analytical and numerical methods in dynamic fracture mechanics. <br/>
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