

1. Record Nr.	UNINA9910967031503321
Autore	Lemaitre Jean
Titolo	A Course on Damage Mechanics / / by Jean Lemaitre
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1996
ISBN	3-642-18255-0
Edizione	[2nd ed. 1996.]
Descrizione fisica	1 online resource (XIX, 228 p. 39 illus.)
Disciplina	620.1/126
Soggetti	Mechanics, Applied Acoustics Condensed matter Materials - Analysis Engineering Mechanics Condensed Matter Physics Characterization and Analytical Technique
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 118 Figures."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Phenomenological Aspects of Damage -- 1.1 Physical Nature of the Solid State and Damage -- 1.2 Mechanical Representation of Damage -- 1.3 Measurement of Damage -- 2 Thermodynamics and Micromechanics of Damage -- 2.1 Three-Dimensional Analysis of Isotropic Damage -- 2.2 Analysis of Anisotropic Damage -- 2.3 Micromechanics of Damage -- 3 Kinetic Laws of Damage Evolution -- 3.1 Unified Formulation of Damage Laws -- 3.2 Brittle Damage of Metals, Ceramics, Composites and Concrete -- 3.3 Ductile and Creep Damage of Metals and Polymers -- 3.4 Fatigue Damage -- 3.5 Damage of Interfaces -- 3.6 Table of Material Parameters -- 4 Analysis of Crack Initiation in Structures -- 4.1 Stress-Strain Analysis -- 4.2 Uncoupled Analysis of Crack Initiation -- 4.3 Locally Coupled Analysis -- 4.4 Fully Coupled Analysis -- 4.5 Statistical Analysis with Microdefects -- History of International Damage Mechanics Conferences -- Authors and Subject Index.
Sommario/riassunto	This well-established textbook teaches macroscopic modeling for design, processing, testing, and control of mechanical components in

engineering. The first chapter deals with the phenomenology of damage; the second couples damage to strains and covers the three-dimensional situation; the third is devoted to kinetic laws of damage evolution used by the author to unify many models; the fourth gives several methods for predicting crack initiation. Detailed calculations and many exercises help students to apply the powerful techniques to practical problems in engineering. This second, corrected and enlarged edition also includes the damage of interfaces and statistical damage analysis with microdefects.

2. Record Nr.	UNINA9910974222103321
Autore	Cook Deborah <1954->
Titolo	Adorno on nature // Deborah Cook
Pubbl/distr/stampa	Durham, : Acumen, 2011 Durham : , : Acumen, , 2011
ISBN	1-315-73014-6 1-317-54804-3
Descrizione fisica	1 online resource (209 p.)
Disciplina	333.72
Soggetti	Philosophy of nature
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 (p. 182-191) and index.
Nota di contenuto	Cover; Half Title; Title Page; Copyright Page; Table of Contents; Acknowledgements ; Abbreviations ; Introduction ; 1. Critical materialism ; 2. Nature, red in tooth and claw ; 3. Thought thinking itself ; 4. Adorno's endgame ; 5. Adorno and radical ecology ; Conclusion ; Notes ; Bibliography ; Index
Sommario/riassunto	Decades before the environmental movement emerged in the 1960's, Adorno condemned our destructive and self-destructive relationship to the natural world, warning of the catastrophe that may result if we continue to treat nature as an object that exists exclusively for our own benefit. "'Adorno on Nature'" presents the first detailed examination of the pivotal role of the idea of natural history in Adorno's work. A

comparison of Adorno's concerns with those of key ecological theorists
- social ecologist Murray Bookchin, ecofeminist Carolyn Merchant, and
deep ecologist Arne Naess - reveals how...
