1. Record Nr. UNINA9910317625203321

Titolo	Neutron Diffraction / / edited by Irisali Khidirov
Pubbl/distr/stampa	Rijeka : , : IntechOpen, , 2012 ©2012
ISBN	953-51-4979-2
Descrizione fisica	1 online resource (xi, 298 pages) : illustrations
Disciplina	539.7213
Soggetti	Neutrons - Diffraction Neutrons - Scattering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9910956250203321

Titolo	Failure analysis of engineering structures : : methodology and case histories / / V. Ramachandran ... [et al.] ; with contributions from T.A. Bhaskaran ... [et al.]
Pubbl/distr/stampa	Materials Park, OH, : ASM International, 2005
ISBN	1-62708-301-4 1-61503-105-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (213 p.)
Altri autori (Persone)	RamachandranV
Disciplina	624.1/71
Soggetti	Structural failures Structural analysis (Engineering)
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. 199) and index.

Nota di contenuto

Sommario/riassunto

Failure analysts, practicing engineers, and students of engineering will find useful guidance and detailed examples in this reference work on the challenging and complex task of investigating service failures and accidents. Based on over four decades of fieldwork by the Failure Analysis and Accident Investigation Group at the National Aerospace Laboratories (Bangalore, India), chapters in the book cover common causes of failures with numerous examples, methodology of failure analysis including some advanced techniques, various mechanisms of failures and characteristic macroscopic and microscopic features that provide significant clues to their causes. The authors also provide exemplary coverage on the detection and identification of damage from explosive sabotage. A separate section with more than 50 case studies of service failures also provides valuable lessons for future designers, manufacturers, users, and maintenance personnel.