

1. Record Nr.	UNINA9910822878503321
Autore	Kukudzhanov Vladimir N
Titolo	Numerical continuum mechanics // Vladimir N. Kukudzhanov
Pubbl/distr/stampa	Berlin, : De Gruyter, 2013
ISBN	1-68015-251-3 3-11-027338-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (447 p.)
Collana	De Gruyter Studies in Mathematical Physics ; ; 15 De Gruyter studies in mathematical physics ; ; 15
Classificazione	SK 950
Altri autori (Persone)	ZhurovAlexei
Disciplina	531.01/515
Soggetti	Continuum mechanics
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 and index.
Nota di contenuto	pt. I. Basic equations of continuum mechanics -- pt. II. Theory of finite-difference schemes -- pt. III. Finite-difference methods for solving nonlinear evolution equations of continuum mechanics.
Sommario/riassunto	This work focuses on computational methods in continuum thermomechanics. The text is based on the author's lectures, which ensures a didactical and coherent buildup. The main emphasis is put on the presentation of ideas and qualitative considerations, illustrated by specific examples and applications. Conditions and explanations that are essential for the practical application of methods are discussed thoroughly.