

1. Record Nr.	UNINA9911007464903321
Autore	Zohdi Tarek I
Titolo	A Beginner's Primer: Basic Concepts in Mechanics / / by Tarek I. Zohdi
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-82904-2
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (195 pages)
Disciplina	620.105
Soggetti	Mechanics, Applied Solids Mathematical physics Dynamics Nonlinear theories Fluid mechanics Mathematics - Data processing Solid Mechanics Theoretical, Mathematical and Computational Physics Applied Dynamical Systems Engineering Fluid Dynamics Computational Science and Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The concept of stress -- Stress strain relationship -- Failure theory -- Axial loading of a rod -- Transverse bending loading of a beam -- Industrial application modeling of 3D printing -- Transverse shear stresses in beams -- Torsional loading of a rod -- Pressure vessels -- Buckling of columns -- The basics of Finite Element Methods -- A unifying concept continuum mechanics.
Sommario/riassunto	As we enter an exciting new era in industrial design, simulation, and manufacturing, a clear understanding of mechanics of solids is needed now more than ever. This primer is a condensed synopsis of basic undergraduate mechanics and is designed to supplement classical textbooks in this area. The focus is on the essentials of mechanics, specifically: • The concept of stress. • Stress-strain relationships. •

Failure theory. • Axial loading of a rod. • Transverse (bending) loading of a beam. • Industrial application: modeling of 3D printing. • Transverse shear stresses. • Torsional loading of a rod. • Pressure vessels. • Buckling of columns. • The basics of finite element methods. • A unifying concept: continuum mechanics.

2. Record Nr.	UNIORUON00082794
Autore	VOSSSEN, Rainer
Titolo	Towards a comparative study of the Maa dialects of Kenya and Tanzania / Rainer Vossen
Pubbl/distr/stampa	Hamburg, : Buske, c1988
ISBN	38-7118-852-2
Descrizione fisica	198 p. ; 21 cm
Disciplina	496.5
Soggetti	LINGUE NILOSAHARIANE - Dizionari comparativi
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia