1. Record Nr. UNINA9910696631603321

Autore	Apple Daina Dravnieks
Titolo	Changing social and legal forces affecting the management of national forests [[electronic resource] /] / by Daina Dravnieks Apple
Pubbl/distr/stampa	[Washington, D.C.] : , : [U.S.Forest Service], , 1997
Descrizione fisica	16 unnumbered pages : digital, PDF file
Soggetti	Forest reserves - United States - Management Forest reserves - Law and legislation - United States Forest policy - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Nov. 3, 2005).
Nota di bibliografia	Includes bibliographical references (pages [13]-[16]).

2. Record Nr. UNINA9910574065603321

Autore	Bertram A (Albrecht)
Titolo	Compendium on Gradient Materials / / by Albrecht Bertram
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031045004 9783031044991
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (307 pages)
Collana	Engineering Series
Disciplina	620.11292 620.118
Soggetti	Mechanical engineering Continuum mechanics Materials science Mechanical Engineering Continuum Mechanics Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Balance Laws -- Material Theory of Second-Gradient Materials -- Material Theory of Third-Gradient Materials -- N th-Order Gradient Materials under Small Deformations -- Second-Order Gradient Elasticity and Plasticity under Small Deformations -- Isotropic Stiffness Hexadics -- Internal Constraints -- Nth-Order Gradient Fluids.
Sommario/riassunto	This book offers frameworks for the material modeling of gradient materials both for finite and small deformations within elasticity, plasticity, viscosity, and thermomechanics. The first chapter focuses on balance laws and holds for all gradient materials. The next chapters are dedicated to the material modeling of second and third-order materials under finite deformations. Afterwards the scope is limited to the geometrically linear theory, i.e., to small deformations. The next chapter offers an extension of the concept of internal constraints to gradient materials. The final chapter is dedicated to incompressible viscous gradient fluids with the intention to describe, among other applications, turbulent flows, as already suggested by Saint-Venant in

		the middle of the 19th century.

3.	Record Nr.	UNINA9910299839503321
	Titolo	Experimental Techniques, Rotating Machinery, and Acoustics, Volume 8 : Proceedings of the 33rd IMAC, A Conference and Exposition on Structural Dynamics, 2015 / / edited by James De Clerck
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	87-438-0272-9 87-7004-912-2 3-319-15236-X
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (275 p.)
	Collana	Conference Proceedings of the Society for Experimental Mechanics Series, , 2191-5652
	Disciplina	620 620.1 629.1
	Soggetti	Multibody systems Vibration Mechanics, Applied Aerospace engineering Astronautics Solids Multibody Systems and Mechanical Vibrations Aerospace Technology and Astronautics Solid 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.
	Nota di contenuto	1. A Computational Model to Investigate the Influence of Spacing Errors on Spur Gear Pair Dynamics -- 2. Drill Vibration Suppression through Phase-Locked Loop Control -- 3. Towards the Selection of Balancing Planes to Attain Low Vibrations in Flexible Rotor Motor Systems -- 4.

Experimental Acoustic Modal Analysis of an Automotive Cabin -- 5. Uncorrelated Noise Sources Separation Using Inverse Beamforming -- 6. ACTIVE NOISE CONTROL EXPERIMENT MINIMISING RADIATION OF ACTIVE ENERGY -- 7. Active Control of Transformer Noise by MIMO Algorithm -- 8. Numerical Prediction Tools for Low-frequency Sound Insulation in Lightweight Buildings -- 9. Reduction of Radiating Sound from CFRP Laminated Plates with Orthotropy -- 10. Rotating disc model for complex eigenvalue analysis of brake squeal -- 11. Validation of closed-loop coupling disc brake model for squeal analysis -- 12. Estimation of Torsional Compliance from Free-Free FRF Measurements: eRCF Theory -- 13. An Estimation of Torsional Compliance (Stiffness) from Free-Free FRF Measurements: eRCF Application -- 14. Estimation of Bending Compliance (Stiffness) from Free-Free FRF Measurements: eBCF Theory -- 15. In-Situ Experimental Modal Analysis of a Direct-Drive Wind Turbine Generator -- 16. Effect of Radial Confinement on Wave Propagation and Vibrational Response in Bars -- 17. Component Qualification Using 3D Laser Vibrometry and Transmissibility Models -- 18. Exploiting Continuous Scanning Laser Doppler Vibrometry and Wavelet Processing for Damage Detection -- 19. Use of 3D Scanning Laser Vibrometer for Full Field Strain Measurements -- 20. Inline measurements of rail bending and torsion through a portable device -- 21. Forty Years of Use and Abuse of Impact Testing: A Practical Guide to Making Good FRF Measurements -- 22. Detection of Coupling Misalignment by Extended Orbits -- 23. Linear and Nonlinear Response of a Rectangular Plate Measured with Continuous-Scan Laser Doppler Vibrometry and 3D-Digital Image Correlation -- 24. VibrationEvent Localization in an Instrumented Building -- 25. Loading Effect on Induction Motor Eccentricity Diagnostics Using Vibration and Motor Current.

Sommario/riassunto

Experimental Techniques, Rotating Machinery & Acoustics, Volume 8: Proceedings of the 33rd IMAC, A Conference and Exposition on Structural Dynamics, 2015, the eighth volume of ten from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Structural Dynamics, including papers on: Experimental Techniques Processing Modal Data Rotating Machinery Acoustics Adaptive Structures Biodynamics Damping.