1. Record Nr. UNISOBE600200049610

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| Autore | Betti, Emilio |
| Titolo | 1. / Emilio Betti |
| Pubbl/distr/stampa | Padova : CEDAM, 1947 |
| Edizione | [Rist. inalterata della 2. ed.] |
| Descrizione fisica | XXII, 517 p. ; 25 cm. |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | (mm) |

2. Record Nr. UNINA9910141387503321

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| Autore | Hashiguchi Koichi |
| Titolo | Introduction to finite strain theory for continuum elasto-plasticity [[electronic resource] /] / Koichi Hashiguchi, Yuki Yamakawa |
| Pubbl/distr/stampa | Chichester, West Sussek, U.K., : Wiley, 2012, c2013 |
| ISBN | 1-118-43772-1<br>1-283-64543-2<br>1-118-43771-3<br>1-118-43773-X |
| Descrizione fisica | 1 online resource (441 p.) |
| Collana | Wiley series in computational mechanics |
| Altri autori (Persone) | YamakawaYuki |
| Disciplina | 620.1/1233 |
| Soggetti | Elastoplasticity<br>Strains and stresses |
| 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 | INTRODUCTION TO FINITE STRAIN THEORY FOR CONTINUUME LASTO-PLASTICITY; Contents; Preface; Series Preface; Introduction; 1 |

Mathematical Preliminaries; 1.1 Basic Symbols and Conventions; 1.2 Definition of Tensor; 1.2.1 Objective Tensor; 1.2.2 Quotient Law; 1.3 Vector Analysis; 1.3.1 Scalar Product; 1.3.2 Vector Product; 1.3.3 Scalar Triple Product; 1.3.4 Vector Triple Product; 1.3.5 Reciprocal Vectors; 1.3.6 Tensor Product; 1.4 Tensor Analysis; 1.4.1 Properties of Second-Order Tensor; 1.4.2 Tensor Components; 1.4.3 Transposed Tensor; 1.4.4 Inverse Tensor; 1.4.5 Orthogonal Tensor
1.4.6 Tensor Decompositions 1.4.7 Axial Vector; 1.4.8 Determinant; 1.4.9 On Solutions of Simultaneous Equation; 1.4.10 Scalar Triple Products with Invariants; 1.4.11 Orthogonal Transformation of Scalar Triple Product; 1.4.12 Pseudo Scalar, Vector and Tensor; 1.5 Tensor Representations; 1.5.1 Tensor Notations; 1.5.2 Tensor Components and Transformation Rule; 1.5.3 Notations of Tensor Operations; 1.5.4 Operational Tensors; 1.5.5 Isotropic Tensors; 1.6 Eigenvalues and Eigenvectors; 1.6.1 Eigenvalues and Eigenvectors of Second-Order Tensors
1.6.2 Spectral Representation and Elementary Tensor Functions 1.6.3 Calculation of Eigenvalues and Eigenvectors; 1.6.4 Eigenvalues and Vectors of Orthogonal Tensor; 1.6.5 Eigenvalues and Vectors of Skew-Symmetric Tensor and Axial Vector; 1.6.6 Cayley-Hamilton Theorem; 1.7 Polar Decomposition; 1.8 Isotropy; 1.8.1 Isotropic Material; 1.8.2 Representation Theorem of Isotropic Tensor-Valued Tensor Function; 1.9 Differential Formulae; 1.9.1 Partial Derivatives; 1.9.2 Directional Derivatives; 1.9.3 Taylor Expansion; 1.9.4 Time Derivatives in Lagrangian and Eulerian Descriptions
1.9.5 Derivatives of Tensor Field 1.9.6 Gauss's Divergence Theorem; 1.9.7 Material-Time Derivative of Volume Integration; 1.10 Variations and Rates of Geometrical Elements; 1.10.1 Variations of Line, Surface and Volume; 1.10.2 Rates of Changes of Surface and Volume; 1.11 Continuity and Smoothness Conditions; 1.11.1 Continuity Condition; 1.11.2 Smoothness Condition; 2 General (Curvilinear) Coordinate System; 2.1 Primary and Reciprocal Base Vectors; 2.2 Metric Tensors; 2.3 Representations of Vectors and Tensors; 2.4 Physical Components of Vectors and Tensors
2.5 Covariant Derivative of Base Vectors with Christoffel Symbol 2.6 Covariant Derivatives of Scalars, Vectors and Tensors; 2.7 Riemann-Christoffel Curvature Tensor; 2.8 Relations of Convected and Cartesian Coordinate Descriptions; 3 Description of Physical Quantities in Convected Coordinate System; 3.1 Necessity for Description in Embedded Coordinate System; 3.2 Embedded Base Vectors; 3.3 Deformation Gradient Tensor; 3.4 Pull-Back and Push-Forward Operations; 4 Strain and Strain Rate Tensors; 4.1 Deformation Tensors; 4.2 Strain Tensors; 4.2.1 Green and Almansi Strain Tensors
4.2.2 General Strain Tensors

Sommario/riassunto

Comprehensive introduction to finite elastoplasticity, addressing various analytical and numerical analyses & including state-of-the-art theories  Introduction to Finite Elastoplasticity presents introductory explanations that can be readily understood by readers with only a basic knowledge of elastoplasticity, showing physical backgrounds of concepts in detail and derivation processes of almost all equations. The authors address various analytical and numerical finite strain analyses, including new theories developed in recent years, and explain fundamentals inclu

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| Autore | Hou, George W. S. |
| Titolo | Flavor Physics and the TeV Scale / George W. S. Hou |
| Pubbl/distr/stampa | Berlin, : Springer, 2019 |
| Titolo uniforme | Flavor Physics and the TeV Scale |
| Edizione | [2. ed] |
| Descrizione fisica | xv, 210 p. : ill. ; 24 cm |
| Soggetti | 81-XX - Quantum theory [MSC 2020]<br>00A79 (77-XX) - Physics [MSC 2020]<br>81V25 - Other elementary particle theory in quantum theory [MSC 2020]<br>81V05 - Strong interaction, including quantum chromodynamics [MSC 2020]<br>81T50 - Anomalies in quantum field theory [MSC 2020] |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |