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Autore	Wang, C. M.
Titolo	Shear deformable beams and plates [e-book] : relationships with classical solutions / C.M. Wang, J.N. Reddy, K.H. Lee
Pubbl/distr/stampa	Amsterdam ; New York : Elsevier, 2000
ISBN	9780080437842 0080437842
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Altri autori (Persone)	Reddy, Junuthula Narasimha, 1945- Lee, K. H.
Disciplina	624.17765
Soggetti	Plates (Engineering) - Mathematical models Girders - Mathematical models Shear (Mechanics) Deformations (Mechanics) Mathematical analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. [279]-291) and index
Nota di contenuto	Part and chapter headings: Preface. Introduction. Beams. Bending of Beams. Shear-Flexural Stiffness Matrix. Buckling of Columns. Tapered Beams. Plates. Theories of Plate Bending. Bending Relationships for Simply Supported Plates. Bending Relationships for Lévy Solutions. Bending Relationships for Circular and Annular Plates. Bending Relationships for Sectorial Plates. Buckling Relationships. Free Vibration Relationships. Relationships for Inhomogeneous Plates. Subject index
Sommario/riassunto	Most books on the theory and analysis of beams and plates deal with the classical (Euler-Bernoulli/Kirchoff) theories but few include shear deformation theories in detail. The classical beam/plate theory is not adequate in providing accurate bending, buckling, and vibration results when the thickness-to-length ratio of the beam/plate is relatively large. This is because the effect of transverse shear strains, neglected in the classical theory, becomes significant in deep beams and thick plates. This book illustrates how shear deformation theories provide

accurate solutions compared to the classical theory. Equations governing shear deformation theories are typically more complicated than those of the classical theory. Hence it is desirable to have exact relationships between solutions of the classical theory and shear deformation theories so that whenever classical theory solutions are available, the corresponding solutions of shear deformation theories can be readily obtained. Such relationships not only furnish benchmark solutions of shear deformation theories but also provide insight into the significance of shear deformation on the response. The relationships for beams and plates have been developed by many authors over the last several years. The goal of this monograph is to bring together these relationships for beams and plates in a single volume. The book is divided into two parts. Following the introduction, Part 1 consists of Chapters 2 to 5 dealing with beams, and Part 2 consists of Chapters 6 to 13 covering plates. Problems are included at the end of each chapter to use, extend, and develop new relationships

2. Record Nr.	UNINA9910148668003321
Autore	Pissaloux
Titolo	Planification, Developpement Durable Et Action Publique Locale
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ISBN	2-336-38692-5 2-336-73703-5
Descrizione fisica	1 online resource (315 p.)
Collana	Grale
Soggetti	City planning - Environmental aspects - France Sustainable development - France City planning - Environmental aspects Sustainable development Conference papers and proceedings. France
Lingua di pubblicazione	Francese
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Sommario/riassunto

Cet ouvrage permet de mieux appréhender - dans sa diversité et sa complexité - la planification durable locale en tant qu'instrument essentiel de l'action publique locale, et de mieux comprendre les différents problèmes que posent aujourd'hui les liens entre les trois notions que sont le développement durable, la planification et l'intercommunalité, ainsi que les articulations existant désormais entre les multiples instruments de planification actuels.
