

1.	Record Nr.	UNISA990000818190203316
	Titolo	Gli adolescenti e l'amore / a cura di Leonardo Tondo
	Pubbl/distr/stampa	Roma : Carocci, 1998
	ISBN	88-430-2032-3
	Descrizione fisica	159 p. ; 20 cm
	Collana	Quality paperbacks ; 31
	Disciplina	306.70835
	Soggetti	Adolescenti - Comportamento sessuale
	Collocazione	II.3. 2475(VI ps B 1019)
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910830629503321
	Autore	Doyle James F. <1951->
	Titolo	Modern experimental stress analysis [[electronic resource]] : completing the solution of partially specified problems / / James F. Doyle
	Pubbl/distr/stampa	Hoboken, NJ, : Wiley, 2004
	ISBN	1-280-27133-7 9786610271337 0-470-30025-6 0-470-86158-4 0-470-86157-6
	Descrizione fisica	1 online resource (440 p.)
	Disciplina	624.1 624.1/76 624.176
	Soggetti	Structural analysis (Engineering) 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 (p. [413]-422) and index.
Nota di contenuto	MODERN EXPERIMENTAL STRESS ANALYSIS; Contents; Preface; Notation; Introduction; 1 Finite Element Methods; 1.1 Deformation and Strain; 1.2 Traction and Stresses; 1.3 Governing Equations of Motion; 1.4 Material Behavior; 1.5 The Finite Element Method; 1.6 Some Finite Element Discretizations; 1.7 Dynamic Considerations; 1.8 Geometrically Nonlinear Problems; 1.9 Nonlinear Materials; 2 Experimental Methods; 2.1 Electrical Filter Circuits; 2.2 Digital Recording and Manipulation of Signals; 2.3 Electrical Resistance Strain Gages; 2.4 Strain Gage Circuits; 2.5 Motion and Force Transducers 2.6 Digital Recording and Analysis of Images 2.7 Moire Analysis of Displacement; 2.8 Holographic Interferometry; 2.9 Photoelasticity; 3 Inverse Methods; 3.1 Analysis of Experimental Data; 3.2 Parametric Modeling of Data; 3.3 Parameter Identification with Extrapolation; 3.4 Identification of Implicit Parameters; 3.5 Inverse Theory for Ill-Conditioned Problems; 3.6 Some Regularization Forms; 3.7 Relocation of Data onto a Grid Pattern; 3.8 Discussion; 4 Static Problems; 4.1 Force Identification Problems; 4.2 Whole-Field Displacement Data; 4.3 Strain Gages; 4.4 Traction Distributions 4.5 Nonlinear Data Relations 4.6 Parameter Identification Problems; 4.7 Choosing the Parameterization; 4.8 Discussion; 5 Transient Problems with Time Data; 5.1 The Essential Difficulty; 5.2 Deconvolution using Sensitivity Responses; 5.3 Experimental Studies; 5.4 Scalability Issues: Recursive Formulation; 5.5 The One-Sided Hopkinson Bar; 5.6 Identifying Localized Stiffness and Mass; 5.7 Implicit Parameter Identification; 5.8 Force Location Problems; 5.9 Discussion; 6 Transient Problems with Space Data; 6.1 Space-Time Deconvolution; 6.2 Preliminary Metrics; 6.3 Traction Distributions 6.4 Dynamic Photoelasticity 6.5 Identification Problems; 6.6 Force Location for a Shell Segment; 6.7 Discussion; 7 Nonlinear Problems; 7.1 Static Inverse Method; 7.2 Nonlinear Structural Dynamics; 7.3 Nonlinear Elastic Behavior; 7.4 Elastic-Plastic Materials; 7.5 Nonlinear Parameter Identification; 7.6 Dynamics of Cracks; 7.7 Highly Instrumented Structures; 7.8 Discussion; Afterword; References; Index
Sommario/riassunto	All structures suffer from stresses and strains caused by factors such as wind loading and vibrations. Stress analysis and measurement is an integral part of the design and management of structures, and is used in a wide range of engineering areas. There are two main types of stress analyses - the first is conceptual where the structure does not yet exist and the analyst has more freedom to define geometry, materials, loads etc - generally such analysis is undertaken using numerical methods such as the finite element method. The second is where the structure (or a prototype) exists, and so s