1.	Record Nr.	UNINA9910481005003321
	Titolo	Noncompact problems at the intersection of geometry, analysis, and topology : proceedings of the Brezis-Browder Conference, Noncompact Variational Problems and General Relativity, October 14-18, 2001, Rutgers, the State University of New Jersey, New Brunswick, NJ / / Abbas Bahri, Sergiu Klainerman, Michael Vogelius, editors
	Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2004] ©2004
	ISBN	0-8218-7940-5
	Descrizione fisica	1 online resource (266 p.)
	Collana	Contemporary mathematics, , 0271-4132 ; ; 350
	Disciplina	516.3/6
	Soggetti	Geometry, Differential Functional analysis Calculus of variations Electronic books.
	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	""Contents""; ""Preface""; ""Conformal deformations of Riemannian metrics via ""Critical point theory at infinity"": The conformally flat case with umbilic boundary""; ""Cubic quasilinear wave equation and bilinear estimates""; ""Ginzburg-Landau functionals, phase transitions and vorticity""; ""On the topology of conformally compact Einstein 4-manifolds""; ""On loop spaces of configuration spaces, and related spaces""; ""Global energy minimizers for free boundary problems and full regularity in three dimensions"" ""Homoclinics for a semilinear elliptic PDE""""""Vortices for Ginsburg-Landau equations: With magnetic field versus without""; ""Some regularity problems of stationary harmonic maps""

2. Record Nr. UNINA9910459462003321

Autore	Petyt M.
Titolo	Introduction to finite element vibration analysis / / Maurice Petyt [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-107-20420-8 0-511-85163-4 1-282-81872-4 9786612818721 0-511-76119-8 0-511-91754-6 0-511-91656-6 0-511-91852-6 0-511-91475-X 0-511-91295-1
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xvi, 500 pages) : digital, PDF file(s)
Disciplina	624.1/76
Soggetti	Vibration Finite element method
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: 1. Formulation of the equations of motion; 2. Element energy functions; 3. Introduction to the finite element displacement method; 4. In-plane vibration of plates; 5. Vibration of solids; 6. Flexural vibration of plates; 7. Vibration of stiffened plates and folded plate structures; 8. Vibration of shells; 9. Vibration of laminated plates and shells; 10. Hierarchical finite element method; 11. Analysis of free vibration; 12. Forced response; 13. Forced response II.
Sommario/riassunto	This is an introduction to the mathematical basis of finite element analysis as applied to vibrating systems. Finite element analysis is a technique that is very important in modeling the response of structures to dynamic loads. Although this book assumes no previous knowledge

of finite element methods, those who do have knowledge will still find the book to be useful. It can be utilised by aeronautical, civil, mechanical, and structural engineers as well as naval architects. This second edition includes information on the many developments that have taken place over the last twenty years. Existing chapters have been expanded where necessary, and three new chapters have been included that discuss the vibration of shells and multi-layered elements and provide an introduction to the hierarchical finite element method.