

1. Record Nr.	UNINA990001850670403321
Autore	Pizzuto, Fabio
Titolo	Fenologia morfologica e riproduttiva di <i>Cystoseira brachycarpa</i> J. Agardh emend. Giaccone (Fucales, Fucophyceae) dellitorale catanese (Sicilia orientale) / Fabio Pizzuto
Pubbl/distr/stampa	Catania : [s.e.], 1998
Descrizione fisica	p. 137-148 ; 30 cm
Disciplina	581.9
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Lingua di pubblicazione	Italiano
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Note generali	Estr. da: Bollettino Accademia Gioenia di Scienze Naturali, 30(353): 137-148,1997

2. Record Nr.	UNINA9910827529103321
Autore	Vajravelu Kuppalapalle
Titolo	Keller-box method and its application / / by Kuppalapalle Vajravelu, Kerehalli V. Prasad
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter/Higher Education Press, , [2014] ©2014
ISBN	3-11-027178-8 3-11-036829-3
Descrizione fisica	1 online resource (414 p.)
Collana	De Gruyter studies in mathematical physics, , 2194-3532 ; ; volume 8
Classificazione	UF 4000
Disciplina	530.15/5355
Soggetti	Differential equations, Nonlinear - Numerical solutions Finite differences Nonlinear boundary value problems Fluid mechanics
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of the finite difference approximations -- Principles of the implicit Keller-box method -- Stability and convergence of the implicit Keller-box method -- Application of the Keller-box method to boundary layer problems -- Application of the Keller-box method to fluid flow and heat transfer problems -- Application of the Keller-box method to more advanced problems.
Sommario/riassunto	Most of the problems arising in science and engineering are nonlinear. They are inherently difficult to solve. Traditional analytical approximations are valid only for weakly nonlinear problems, and often break down for problems with strong nonlinearity. This book presents the current theoretical developments and applications of the Keller-box method to nonlinear problems. The first half of the book addresses basic concepts to understand the theoretical framework for the method. In the second half of the book, the authors give a number of examples of coupled nonlinear problems that have been solved by means of the Keller-box method. The particular area of focus is on fluid flow problems governed by nonlinear equation.

