

1. Record Nr.	UNINA990001635060403321
Titolo	I parassiti delle piante officinali : repertorio dei parassiti vegetali ed animali che danneggiano le piante officinali, aromatiche e da profumo, spontanee e coltivate, e le droghe officinali immagazzinate / a cura di Arturo Nannizzi
Pubbl/distr/stampa	Roma : Istituto Poligrafico dello Stato, 1941
Descrizione fisica	XXVII, 544 p. ; 25 cm
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Livello bibliografico	Monografia
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Autore	Constanda C (Christian)
Titolo	Boundary Integral Equation Methods and Numerical Solutions : Thin Plates on an Elastic Foundation // by Christian Constanda, Dale Doty, William Hamill
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-26309-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (242 p.)
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Soggetti	Integral equations Differential equations, Partial Functions of complex variables Integral Equations Partial Differential Equations Functions of a Complex Variable
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- 1. The Mathematical Model -- 2. The Layer Potentials -- 3. Existence of Solutions -- 4. Software Development -- 5. Computational Examples -- References -- Index.
Sommario/riassunto	This book presents and explains a general, efficient, and elegant method for solving the Dirichlet, Neumann, and Robin boundary value problems for the extensional deformation of a thin plate on an elastic foundation. The solutions of these problems are obtained both analytically—by means of direct and indirect boundary integral equation methods (BIEMs)—and numerically, through the application of a boundary element technique. The text discusses the methodology for constructing a BIEM, deriving all the attending mathematical properties with full rigor. The model investigated in the book can serve as a template for the study of any linear elliptic two-dimensional problem with constant coefficients. The representation of the solution in terms of single-layer and double-layer potentials is pivotal in the development of a BIEM, which, in turn, forms the basis for the second

part of the book, where approximate solutions are computed with a high degree of accuracy. The book is intended for graduate students and researchers in the fields of boundary integral equation methods, computational mechanics and, more generally, scientists working in the areas of applied mathematics and engineering. Given its detailed presentation of the material, the book can also be used as a text in a specialized graduate course on the applications of the boundary element method to the numerical computation of solutions in a wide variety of problems. .
