

1. Record Nr.	UNINA9910165136903321
Titolo	Choosing the right college 2014-15 : the inside scoop on elite schools and outstanding lesser-known institutions / / Intercollegiate Studies Institute
Pubbl/distr/stampa	Wilmington, Delaware : , : Intercollegiate Studies Institute, , 2013 New York, New York : , : Open Road Distribution, , [date of distribution not identified] ©2013
Descrizione fisica	1 online resource (978 pages)
Disciplina	378.155402573
Soggetti	Universities and colleges - United States College choice - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910777035003321
Autore	Hudspeth Robert T
Titolo	Waves and wave forces on coastal and ocean structures [[electronic resource] /] / Robert T. Hudspeth
Pubbl/distr/stampa	Hackensack, N.J. ; ; Singapore, : World Scientific, c2006
ISBN	1-281-37918-2 9786611379186 1-61583-037-5 981-277-482-3
Descrizione fisica	1 online resource (954 p.)
Collana	Advanced series on ocean engineering ; ; v. 21
Disciplina	624.1/72
Soggetti	Fluid dynamics - Mathematical models Ocean waves - Mathematical models Water waves - Mathematical models
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 and index.
Nota di contenuto	Contents ; Preface ; 1 Introduction ; 2 Mathematical Preliminaries ; 2.1 Introduction ; 2.2 Symbols Functions and Linear Operators ; 2.2.1 Landau Order Symbols $O(E)$ and $o(E)$ (Nayfeh 1973 Chapter 1.3 and Olver 1990 Chapter 12.1.1) ; 2.2.2 Heaviside Step Function $U(x-E)$ 2.2.3 Kronecker Delta δ_{mn} Function and Dirac Delta $\delta(x-E)$ Distribution 2.2.4 Levi-Civita Symbol ϵ_{ijk} (Arfken 1985) ; 2.2.5 Gamma Functions $\Gamma(o)$ (Andrews 1985) ; 2.2.6 Error Functions $\text{Erf}(o)$ and $\text{Erfc}(o)$ (Barcilon 1990 p. 351) ; 2.2.7 Gradient Vector Operator $\nabla(o)$ 2.2.8 Curl Vector Operator $w = \nabla \times (o)$ 2.2.9 Laplacian Operator $\nabla^2(o) = A(o)$; 2.2.10 Stokes Material Derivative Operator $D(o)/Dt$; 2.2.11 Leibnitz's Rule for Differentiation of Integrals with Parameters (Hildebrand 1976 Chapter 7.9) ; 2.2.12 Signum (sign +) Function 2.3 Properties of Series 2.3.1 Power Series

(Hildebrand 1976 Chapter 4.1) ;
 2.3.2 Function Series ; 2.3.3 Maclaurin and Taylor
 Series (Hildebrand 1976 Chapters 4.1 and 7.5)
 ; 2.3.4 Binomial Expansion (Wylie and Barrett 1982 p.938)
 2.4 Elementary and Special Functions (Hildebrand 1976 Chapter 10.2)
 2.4.1 Trigonometric and Hyperbolic Identities
 ; 2.4.2 Euler's Constant γ (Barclon 1990 p. 346)
 ; 2.4.3 Bessel Functions (Hildebrand 1976 Chapters 4.8 to 4.10)
 ; 2.4.4 Orthogonal Polynomials
 2.5 Linear Ordinary Differential Equations (Hildebrand 1976 Chapters
 1.1 to 1.11) and Operational Calculus (Friedman 1956)

Sommario/riassunto

This book focuses on: (1) the physics of the fundamental dynamics of fluids and of semi-immersed Lagrangian solid bodies that are responding to wave-induced loads; (2) the scaling of dimensional equations and boundary value problems in order to determine a small dimensionless parameter that may be applied to linearize the equations and the boundary value problems so as to obtain a linear system; (3) the replacement of differential and integral calculus with algebraic equations that require only algebraic substitutions instead of differentiations and integrations; and (4) the importance of c
