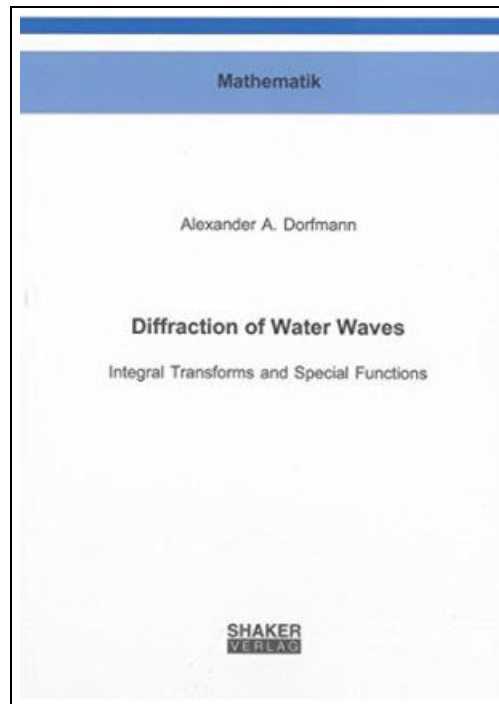


Diffraction of Water Waves



Filesize: 3.88 MB

Reviews

Complete guide for pdf fans. This really is for all those who statte that there was not a worth looking at. I am just very happy to let you know that this is basically the very best pdf we have read through inside my own life and may be he greatest pdf for ever.
(Tevin Nikolaus)

DIFFRACTION OF WATER WAVES



Shaker Verlag Aug 2013, 2013. Taschenbuch. Condition: Neu. Neuware - This monograph is devoted to subject of diffraction of water waves. Methods of integral transforms and special functions are taken as principal tool to describe diffraction of water waves. The classical interpretation of these methods is used and some generalisations are proposed. The objects of this book are either to construct an exact solutions of diffraction problems in integral form or to reduce the problems into integral equations and to obtain their asymptotic solutions. Diffraction problems are reduced into Fredholm integral equations of the second kind. Asymptotic solutions of these equations are obtained. Two groups of bodies are considered: submerged and floating bodies with non-zero displacement (vertical cylindrical bodies, horizontal cylindrical bodies, vertical axisymmetrical bodies) and thin-walled structures with sharp edge (horizontal plates on free surface, submerged horizontal plates, vertical ducts and barriers). Adequate mathematical technique is applied and developed to investigate corresponding diffraction problems: sequential integral transforms, double integral transforms, operator triplets (combinations of two transforms with regular kernels and fractional integrals), generalized integral transforms. The work is constructed as follows. Part 1 is concerned with foundations of diffraction theory, it consists of four chapters: mathematical models of hydrodynamic processes, integral transforms and fractional integrals as technique for investigation of these processes, examples of diffraction problems. The second part is devoted to problems, which can be analysed by means of sequential application of integral transforms: radiation problems for vertical cylindrical bodies and waves on a sloping beach. In the third part method of double integral transforms is given, which intends for investigation of boundary value problems in two-connected domains. Based on this method the diffraction problems for submerged bodies with non-zero displacement are investigated. These are bodies of revolution with vertical axis and cylindrical bodies with horizontal axis. In...



[Read Diffraction of Water Waves Online](#)



[Download PDF Diffraction of Water Waves](#)

See Also



Tell Me a Story in the Dark: A Guide to Creating Magical Bedtime Stories for Young Children

Familius, 2015. Trade Paperback. Book Condition: New. TRADE PAPERBACK Legendary independent bookstore online since 1994. Reliable customer service and no-hassle return policy. Health and Self-Help>Self-Help>Parenting. Book: NEW, New. Bookseller Inventory # 01978193962958601.

[Save Book »](#)



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually...

[Save Book »](#)



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)



Preventing Childhood Eating Problems : A Practical, Positive Approach to Raising Kids Free of Food and Weight Conflicts

Book Condition: Brand New. Book Condition: Brand New.

[Save Book »](#)