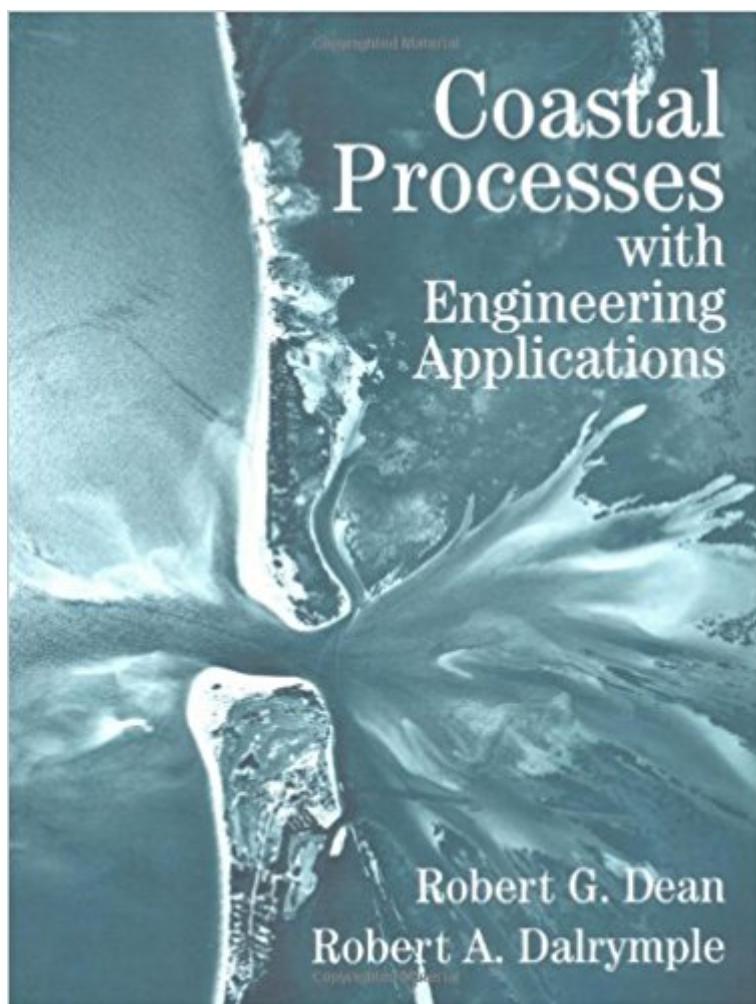


The book was found

# Coastal Processes With Engineering Applications



## Synopsis

The world's coastlines, dividing land from sea, are geological environments that are unique in their composition and the physical processes affecting them. At the dynamically active intersection of land and the oceans, humans have been building structures throughout history. Initially used for naval and commercial purposes, more recently recreation and tourism have increased activity in the coastal zone dramatically. Shoreline development is now causing a significant conflict with natural coastal processes. This text on coastal engineering will help the reader understand these coastal processes and develop strategies to cope effectively with shoreline erosion. The book is organized in four parts: (1) an overview of coastal engineering, using case studies to illustrate problems; (2) hydrodynamics of the coastal zone, reviewing storm surges, water waves, and low frequency motions within the nearshore and surf zone; (3) coastal responses including equilibrium beach profiles and sediment transport; (4) applications such as erosion mitigation, beach nourishment, coastal armoring, tidal inlets, and shoreline management.

## Book Information

Paperback: 488 pages

Publisher: Cambridge University Press (March 25, 2004)

Language: English

ISBN-10: 0521602750

ISBN-13: 978-0521602754

Product Dimensions: 6.8 x 1 x 9.7 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 3 customer reviews

Best Sellers Rank: #592,738 in Books (See Top 100 in Books) #98 in Books > Engineering & Transportation > Engineering > Marine Engineering #177 in Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics #592 in Books > Textbooks > Engineering > Civil Engineering

## Customer Reviews

'The book's presentation is of high standard. It can be utilized as a textbook on coastal processes and coastal engineering. The authors, who have devoted a lot of time in conducting research in coastal engineering, deserve to be congratulated on their achievement.' Bulletin'... this book is useful in providing a mathematical summary of our understanding of hydrodynamic and sediment transport processes in the coastal zone and how they may be affected by engineering applications.'

This text is organized in four parts: (1) an overview of coastal engineering, using case studies to illustrate problems; (2) hydrodynamics of the coastal zone, reviewing storm surges, water waves, and low frequency motions within the nearshore and surf zone; (3) coastal responses including equilibrium beach profiles and sediment transport; (4) applications such as erosion mitigation and shoreline management.

This is an excellent and comprehensive text. However in some areas some solved examples would help explain the mathematical concepts. The book lacks thorough examples. Dr Andrew Kerans

Very helpful resource for beach processes. Limited information on hard structures, but that doesn't seem to be the focus of this book. This book is a good companion to information presented in the Corps' Coastal Engineering Manual (CEM) that can be downloaded online.

It was. More than I thought it is going to be but it seems like anew updates not coming soon

[Download to continue reading...](#)

Adventure Guide Inside Passage & Coastal Alaska (Adventure Guide to the Inside Passage & Coastal Alaska) (Adventure Guide to Coastal Alaska & the Inside Passage) Coastal Processes with Engineering Applications Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology) Cruising Guide to Coastal South Carolina and Georgia (Cruising Guide to Coastal South Carolina & Georgia) BC Coastal Recreation Kayaking and Small Boat Atlas: Vol. 1: British Columbia's South Coast and East Vancouver Island (British Columbia Coastal Recreation Kayaking and Small Boat Atlas) Queensland's Tropical Paradise: the Great Barrier Reef and Coastal Hinterland: The Great Barrier Reef and Coastal Hinterland Encapsulation Technologies for Electronic Applications (Materials and Processes for Electronic Applications) An Introduction to Modeling of Transport Processes: Applications to Biomedical Systems (Cambridge Texts in Biomedical Engineering) Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes (Pergamon Unified Engineering Series) Geotechnical

Engineering and Earth's Materials and Processes (Engineering in Action) Introduction to Coastal Processes and Geomorphology, Second Edition Introduction to Coastal Processes and Geomorphology Introduction to Coastal Processes and Geomorphology, Second Edition 2nd (second) Edition by Masselink, Gerd, Hughes, Michael, Knight, Jasper published by Routledge (2011) By Gerhard Masselink - Introduction to Coastal Processes and Geomorphology: 1st (First) Edition Probability Concepts in Engineering: Emphasis on Applications to Civil and Environmental Engineering (v. 1) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Coatings Tribology, Volume 56, Second Edition: Properties, Mechanisms, Techniques and Applications in Surface Engineering (Tribology and Interface Engineering) Introduction to Biomaterials: Basic Theory with Engineering Applications (Cambridge Texts in Biomedical Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)