



Computational Modelling in Hydraulic and Coastal Engineering

By Christopher G. Koutitas, Panagiotis D. Scarlatos

Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Computational Modelling in Hydraulic and Coastal Engineering, Christopher G. Koutitas, Panagiotis D. Scarlatos, Computational modeling and simulation methods have a wide range of applications in hydraulic and coastal engineering. This textbook provides an introductory but comprehensive coverage of these methods. It emphasises the use of the finite differences method with applications in reservoir management, closed-conduit hydraulics, free-surface channel and coastal domain flows, surface gravity waves, groundwater movement, and pollutant and sediment transport processes. It focuses on applications rather than lengthy theories or derivations of complex formulas and is supported by a wealth of hands-on numerical examples and computer codes written in MATLAB but available also in BASIC. PowerPoint presentations and learning assignment projects/quizzes along with learning assessment rubrics are included. It will suit senior level undergraduates and graduate students as well as practitioners such as coastal and maritime engineers, environmental engineers, computer modellers, and hydro-geologists.



READ ONLINE
[8.33 MB]

Reviews

The publication is easy in read through safer to comprehend. It is actually loaded with wisdom and knowledge Its been printed in an extremely simple way and is particularly simply right after i finished reading through this pdf where actually modified me, affect the way i believe.

-- Ms. Clementina Cole V

This is the very best publication i have got read until now. It is definitely simplified but shocks within the fifty percent of the pdf. You may like how the article writer create this pdf.

-- Rosario Durgan