



## Dynamic Analysis and Design of Offshore Structures (Hardback)

By Srinivasan Chandrasekaran

Springer Verlag, Singapore, Singapore, 2017. Hardback. Condition: New. 2nd ed. 2018. Language: English . Brand New Book. This book introduces readers to various types of offshore platform geometries. It addresses the various environmental loads encountered by these structures, and provides detailed descriptions of the fundamentals of structural dynamics in a classroom style, helping readers estimate damping in offshore structures and grasp these aspects applications in preliminary analysis and design. Basic concepts of structural dynamics are emphasized through simple illustrative examples and exercises. Design methodologies and guidelines, which are FORM based concepts, are explained through a selection of applied sample structures. Each chapter also features tutorials and exercises for self-learning. A dedicated chapter on stochastic dynamics helps students to extend the basic concepts of structural dynamics to this advanced domain of research. Hydrodynamic response of offshore structures with perforated members is one of the most recent research applications, and has proven to be one of the most effective means of retrofitting offshore structures. In addition, the book integrates the concepts of structural dynamics with the FORM-evolved design of offshore structures, offering a unique approach. This new edition is divided into seven chapters, each of which has been updated. Each chapter also...

DOWNLOAD



READ ONLINE

[ 4.91 MB ]

### Reviews

*The most effective publication i at any time read. We have study and i am sure that i will likely to read yet again once again in the foreseeable future. You will not truly feel monotony at anytime of your time (that's what catalogs are for about in the event you request me).*

-- **Mr. Rafael Hoeger**

*Merely no words to spell out. I am quite late in start reading this one, but better then never. I am happy to explain how this is actually the very best publication we have go through within my personal daily life and can be he best ebook for at any time.*

-- **Althea Christiansen**