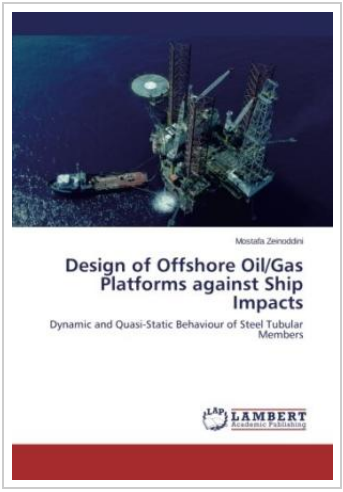

Design of Offshore Oil/Gas Platforms against Ship Impacts

By Zeinoddini, Mostafa

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Dynamic and Quasi-Static Behaviour of Steel Tubular Members | Offshore platforms have become increasingly important to the oil and gas industry. As part of normal operating activities they are repeatedly visited by heavy vessels. This makes the rig vulnerable to collisions from these vessels. Estimating the possible ship collision damage is important in the safety and integrity assessment of a platform and also for its repair and maintenance. This book deals with the structural behaviour of tubular members of offshore structures subjected to ship collision. It covers both quasi-static and dynamic impact loadings and considers different approaches such as closed form analytical solutions. A relatively sophisticated dynamic experimental modelling and numerical simulation of the impact have also been employed to address the problem. The interaction of the existing axial load in the tubular member and the lateral impact has been thoroughly reviewed. Response of large-scale tubular frames to lateral impacts and the phenomenon of 'dynamic shakedown and response adaptation' have also been addressed. The book is aimed at the practicing professional, but can also serve as a graduate level text for inelastic design of tubular structures. | Format: Paperback | Language/Sprache: english...

Reviews

Very beneficial to any or all class of individuals. It is rally interesting throgh looking at time. You will not feel monotony at at any time of your time (that's what catalogs are for concerning in the event you question me).

-- ***Dr. Dallas Reinger IV***

This publication is indeed gripping and interesting. It is rally exciting throgh reading period of time. I am just happy to inform you that this is the very best publication i actually have go through during my individual existence and could be he finest pdf for ever.

-- ***Miss Lela VonRueden***