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Fatigue Handbook: Offshore Steel Structures: Amazon.co.uk

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Abstract. The contents of this book are: Overview of Offshore Steel Structures; Loads on Ocean Structures; Fracture Mechanics As a Tool in Fatigue Analysis; Basic Fatigue Properties of Welded Joints; Significance of Defects; Improving the Fatigue Strength of Welded Joints; Effects of Marine Environment and Cathodic Protection on Fatigue of Structural Steels Fatigue of Tubular Joints; Unstable

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Fatigue Handbook: Offshore Steel Structures by A. Almar-Naess

The author of the book:A.Almar- Naess.

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Construction. Proposed New Fatigue Design Procedures for Steel Welded Joints in Offshore Structures.

Recommendations of the Department of Energy " Guidance Notes " Revision Drafting Panel. Her Majesty ' s Service, London, June 1981.

Fatigue Analysis in Offshore Structures | SpringerLink

Book description. Fatigue Design of Marine Structures provides students and professionals with a theoretical and practical background for fatigue design of marine structures including sailing ships, offshore structures for oil and gas production, and other welded structures subject to dynamic loading such as wind turbine structures.

Fatigue Design of Marine Structures by Inge Lotsberg

Examples of fatigue failure All structures and mechanical components that are cyclically loaded can fail by fatigue.

Fundamental requirements during design and manufacturing to avoid fatigue failure are different for each different case and should be considered during the design phase.

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Offshore structures are considered as fail safe and inspections are carried out during their service lifetime to assess their actual condition. In this paper, the effect of inspection updating on fatigue reliability of offshore structures is investigated.

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