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Fatigue Handbook Offshore Steel Structures

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

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In 1977, concerned materials scientists at SINTEF and Det norske Veritas prepared a 5 year program for intensified research on fatigue of offshore

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Offshore Installations: Guidance on Design and 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

Increased fatigue strength can be obtained by steel materials that offer higher resistance to crack propagation. One example is the so-called Fatigue Crack Arrestor (FCA) steel (Konda et al, 2003). These steels typically consist of a mixed ferrite and bainite microstructure.

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