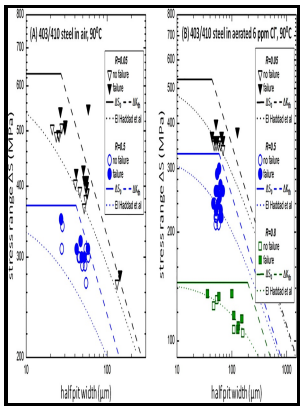
Experimental assessment of hysteresis in near-threshold fatigue crack propagation regime of a low alloy ferritic steel under closure-free testing conditions

GKSS-Forschungszentrum Geesthacht GmbH - Fatigue Crack Growth Thresholds, Endurance Limits, and Design



Description: -
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Ferritic steel -- Cracking.
Ferritic steel -- Fatigue -- Testing.experimental assessment of hysteresis in near-threshold fatigue crack propagation regime of a low alloy ferritic steel under closure-free testing conditions
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GKSS ;experimental assessment of hysteresis in near-threshold fatigue crack propagation regime of a low alloy ferritic steel under closure-free testing conditions
Notes: Includes bibliographical references (p. 27-30).
This edition was published in 1991

Tags: #Fatigue #Crack #Growth #Thresholds, #Endurance #Limits, #and #Design

Fatigue Threshold Regime of a Low Alloy Ferritic Steel under Closure Free Testing Conditions: Part II—Hysteresis in Near Threshold Fatigue Crack Propagation: An Experimental Assessment

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cyclic fatigue

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Dangerous fatigue curves

The test results also showed that for the same load level of 0.

ShieldSquare

The transition from cleavage fracture at 26-Fall Meeting room temperature to intergranular fracture at elevated tempera- tures is explained by the result of scanning Auger microscopy which indicates the possibility of sulfur segregation to grain boundaries at elevated temperatures. . .

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