

EXCLU DU PRÊT

62 (03) - 19.

FATIGUE & FRACTURE of **ENGINEERING MATERIALS** & **STRUCTURES**

The International Journal
& the official journal of the European Group on Fracture

Editor-in-Chief: K. J. Miller

Volume 12 Number 3 1989



Pergamon Press: Oxford · New York · Beijing · Frankfurt
São Paulo · Sydney · Tokyo · Toronto

FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES

The International Journal
& the official journal of the European Group on Fracture

Volume 12, No. 3

CONTENTS

1989

W. O. Soboyejo, K. Kishimoto, R. A. Smith and J. F. Knott	167	A study of the interaction and coalescence of two coplanar fatigue cracks in bending
P. Lukás, L. Kunz, B. Weiss and R. Stickler	175	Notch size effect in fatigue
D. N. Gladwin, D. A. Miller and R. H. Priest	187	Crack growth rates during creep, fatigue and creep-fatigue in an austenitic feature weld specimen
D.-Z. Sun, D. Siegele, B. Voss and W. Schmitt	201	Application of local damage models to the numerical analysis of ductile rupture
M. N. James, C. Dimitriou and H. D. Chandler	213	Low cycle fatigue lives of notched com- ponents
D. P. Rooke and T. J. Courtney	227	The effect of final friction coefficient on fretting fatigue waveforms
B. G. Journet, A. Lefrancois and A. Pineau	237	A crack closure study to predict the threshold behaviour of small cracks
X. Huang and J. W. Hancock	247	A reliability analysis of fatigue crack growth under random loading
J. R. Yates and K. J. Miller	259	Mixed mode (I + III) fatigue thresholds in a forging steel

[continued on inside back cover]

Fatigue Fract. Engng Mater. Struct. is indexed/abstracted in
Current Contents, Engng Ind. Monthly & Author Index,
PASCAL-CNRS Database, INSPEC

ISSN 8756-758X
FFESEY 12(3) 167-270 (1989)



PERGAMON PRESS

Oxford · New York · Beijing · Frankfurt · São Paulo · Sydney · Tokyo · Toronto