Fracture Mechanics: Twenty-First Symposium

J. P. Gudas, J. A. Joyce, and E. M. Hackett, editors
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Foreword

The ASTM Twenty-First National Symposium on Fracture Mechanics was held in Annapolis, Maryland, on 28–30 June 1988. Its sponsor was Committee E-24 on Fracture Testing.

The co-chairmen for this symposium were John P. Gudas, David Taylor Research Center; James A. Joyce, United States Naval Academy; and Edwin M. Hackett, David Taylor Research Center. They have also served as editors of this volume.
Contents

Introduction ix

ELASTIC-PLASTIC FRACTURE MECHANICS (I)

An Analytical Comparison of Short Crack and Deep Crack CTOD Fracture Specimens of an A36 Steel—W. A. SOREM, R. H. DODDS, JR., AND S. T. ROLFE 3


Extrapolation of C(T) Specimen J-R Curves—G. M. WILKOWSKI, C. W. MARSCHALL, AND M. P. LANDOW 56


DYNAMIC FRACTURE

Impact Fracture of a Tough Ductile Steel—A. S. DOUGLAS AND M. S. SUH 109

Dynamic Fracture Behavior of a Structural Steel—K. CHO, J. P. SKLENAK, AND J. DUFFY 126

Discussion 143

Dynamic Key-Curves for Brittle Fracture Impact Tests and Establishment of a Transition Time—W. BÖHME 144


Magnetic Emission Detection of Crack Initiation—S. R. WINKLER 178

TRANSITION FRACTURE

Effect of Biaxial Loading on A533B in Ductile-Brittle Transition—S. J. GARWOOD, T. G. DAVEY, AND Y. C. WONG 195
Fracture Toughness in the Transition Regime for A533B-1 Steel: The Effect of Specimen Sidegrooving—E. MORLAND

Analysis of Fracture Toughness Data for Modified SA508 C12 in the Ductile-to-Brittle Transition Region—M. T. MIGLIN, C. S. WADE, AND W. A. VAN DER SLUYS

Effects of Warm Pre-Stressing on the Transition Toughness Behavior of an A533 Grade B Class 1 Pressure Vessel Steel—D. LIDBURY AND P. BIRKETT

Elastic-Plastic Fracture Mechanics (II)

Unique Elastic-Plastic R-Curves: Fact or Fiction?—M. R. ETEMAD AND C. E. TURNER


Micromechanics of Fracture


Prediction of Fracture Toughness by Local Fracture Criterion—T. MIYATA, A. OTSUKA, M. MITSUBAYASHI, T. HAZE, AND S. AIHARA

Microscopic Aspects of Ductile Tearing Resistance in AISI Type 303 Stainless Steel—A. SAXENA, D. C. DALY, H. A. ERNST, AND K. BANERJI


Computational Mechanics

Simulation of Crack Growth and Crack Closure under Large Cyclic Plasticity—K. S. KIM, R. H. VAN STONE, J. H. LAFLEN, AND T. W. ORANGE

Comparison of Elastic-Plastic Fracture Mechanics Techniques—F. W. BRUST, M. NAKAGAKI, AND P. GILLES
Treatment of Singularities in a Middle-Crack Tension Specimen—
K. N. SHIVAKUMAR AND I. S. RAJU

Assessment of Influence Function for Elliptical Cracks Subjected to Uniform Tension and to Pure Bending—M. OORE

Finite Element Meshing Criteria for Crack Problems—W. H. GERSTLE AND J. E. ABDALLA, JR.

FRACTURE MECHANICS APPLICATIONS

Application of the CEGB Failure Assessment Procedure, R6, to Surface Flaws—G. G. CHELL

Method and Models for R-Curve Instability Calculations—T. W. ORANGE

FRACTURE MECHANICS TESTING

Closure Measurements via a Generalized Threshold Concept—G. MARCI, D. E. CASTRO, AND V. BACHMANN

Use of the Direct-Current Electric Potential Method to Monitor Large Amounts of Crack Growth in Highly Ductile Metals—C. W. MARSCHALL, P. R. HELD, M. P. LANDOW, AND P. N. MINCER

Load-Point Compliance for the Arc-Bend/Arc-Support Fracture Toughness Specimen—F. I. BARATTA, J. A. KAPP, AND D. S. SAUNDERS

Author Index

Subject Index
Introduction

The success of the Twenty-First National Symposium on Fracture Mechanics, held on 28-30 June 1988 in Annapolis, Maryland, and sponsored by ASTM Committee E-24 on Fracture Testing, demonstrated the continued rapid development occurring in this field. Papers were solicited from all areas of fracture mechanics and its applications. Contributions representing a wide range of topics came from the United States and six foreign countries. New work is presented in elastic-plastic fracture, dynamic fracture, transition fracture in steels, micromechanical aspects of the fracture process, computational mechanics, fracture mechanics testing, and applications of this technology. Each area poses its own challenges, and developments proceed somewhat independently. This volume aids the researcher in keeping abreast of these varied aspects of the discipline of fracture mechanics.

The diligent work of the Symposium Organizing Committee, the authors, and the reviewers is gratefully appreciated. We would particularly like to recognize the efforts of the ASTM staff including Mr. Hans Greene, Ms. Kathy Friend, Ms. Wendy Dyer, Ms. Kathy Greene, Ms. Monica Armata, Ms. Rita Harhut, and Mr. Allan Kleinberg. Finally, the assistance of Mrs. Mary Cropley and Ms. Amanda Ewen of the David Taylor Research Center is gratefully acknowledged.

J. P. Gudas
J. A. Joyce
E. M. Hackett