

# FRACTURE ANALYSIS

*Proceedings of the  
1973 National Symposium  
on Fracture Mechanics,  
PART II*

 **STP 560**

**AMERICAN SOCIETY FOR TESTING AND MATERIALS**

# Fracture Analysis

Proceedings of the 1973  
National Symposium on  
Fracture Mechanics, Part II

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## Foreword

The 1973 National Symposium on Fracture Mechanics was held at the University of Maryland Conference Center, College Park, Md., 27–29 Aug. 1973. The symposium was sponsored by the American Society for Testing and Materials through Committee E-24 on Fracture Testing of Metals. Members of the Symposium Subcommittee of Committee E-24 selected papers for the program. Organizational assistance from Don Wisdom and Jane Wheeler at ASTM Headquarters was most helpful. G. R. Irwin, Dept. of Mechanical Engineering, University of Maryland, served as general chairman. Those who served as session chairmen were H. T. Corten, Dept. of Theoretical and Applied Mechanics, University of Illinois; C. M. Carman, Frankford Arsenal; J. R. Rice, Div. of Engineering, Brown University; D. E. McCabe, Research Dept., ARMCO Steel; J. E. Srawley, Fracture Section, Lewis Research Center, NASA; E. T. Wessel, Research and Development Center, Westinghouse Electric Corp.; and E. K. Walker, Lockheed-California Co.

The Proceedings have been divided into two volumes: Part I—*Fracture Toughness and Slow-Stable Cracking* and Part II—*Fracture Analysis*.

## **Related ASTM Publications**

**Stress Analysis and Growth of Cracks, STP 513  
(1972), \$27.50 04-513000-30**

**Fracture Toughness, STP 514 (1972), \$18.75  
04-514000-30**

**Fracture Toughness Evaluation by R-Curve Methods,  
STP 527 (1973), \$9.75 04-527000-30**

**Progress in Flaw Growth and Fracture Toughness  
Testing, STP 536 (1973), \$33.25 04-536000-30**

# Contents

<b>Introduction</b>	1
<b>Strain Energy Release Rate for a Crack Under Combined Mode I and Mode II—</b>	
M. A. HUSSAIN, S. L. PU, AND J. UNDERWOOD	2
Mapping Function	5
Reduction of the Problem to Functional Integral Equations	9
Computations of Energy Release Rate	16
Numerical and Experimental Results	21
<b>Fracture Under Combined Modes in 4340 Steel—R. C. SHAH</b>	29
Material and Procedures	31
Test Machine and Instrumentation	34
Test Results and Discussion	36
Conclusions	51
<b>Crack Approaching a Hole—A. S. KOBAYASHI, B. JOHNSON, AND B. G. WADE</b>	53
Experimental Procedure and Results	54
Analytical Background	57
Results	61
Discussion	62
Conclusions	67
<b>Influence of Three-Dimensional Effects on the Stress Intensity Factors of</b>	
<b>Compact Tension Specimens—M. A. SCHROEDL AND C. W. SMITH</b>	69
Nomenclature	69
Analytical Considerations	70
The Experiments	72
Results	74
Discussion	78
Summary	78
<b>K Calibrations for C-Shaped Specimens of Various Geometries—</b>	
J. H. UNDERWOOD, R. D. SCANLON, AND D. P. KENDALL	81
Nomenclature	81
Collocation Results	82
Data Analysis Procedures	85
K Calibration Results	86
Discussion	89
<b>A Class of Interface Crack Problems—G. P. SENDECKYJ</b>	92
Basic Equations	93
General Interface Crack Problem	94
Examples	95
Nature of Crack Tip Singularity	98
Crack Tip Stress Intensity Factors	100
Conclusion	103
<b>Stress Analysis of the Compact Specimen Including the Effects of Pin Loading—</b>	
J. C. NEWMAN, JR.	105
Nomenclature	105
Analysis of the Compact Specimen	107
Results and Discussion	110
Concluding Remarks	120

<b>Some Effects of Experimental Error in Fracture Testing—T. W. ORANGE</b>	122
Analysis	123
Discussion	127
Summary and Conclusions	132
<b>A Combined Analytical-Experimental Fracture Study—P. C. RICCARDELLA</b>	134
AND J. L. SWEDLOW	135
Laboratory Experiments	142
Analyses	150
Analytical-Experimental Comparison	153
Recommendations	154
Conclusions	155
<b>An Estimation Model for the Application of the J-Integral—J. A. BEGLEY,</b>	156
J. D. LANDES, AND W. K. WILSON	159
The Infinite Plate Problem	164
Crack in a Plastic Zone	168
More Exact Elastic-Plastic Solution for Case of a Hole in a Plate	
Conclusions	
<b>Test Results from J-Integral Studies: An Attempt to Establish a <math>J_{Ic}</math> Testing</b>	
<b>Procedure—J. D. LANDES AND J. A. BEGLEY</b>	170
Test Program	171
Size Effect	181
Fracture Toughness Versus Temperature	182
Tentative $J_{Ic}$ Test Method	183
Conclusions	185
<b>Small-Scale Yielding Analysis of Mixed Mode Plane-Strain Crack Problems—</b>	
C. F. SHIH	187
Dominant Singularity Analysis	191
Perfect Plasticity Solutions at Near-Field	196
The Small-Scale Yielding Problem	202
Conclusions	206
<b>Unimod: An Applications Oriented Finite Element Scheme for the Analysis</b>	
<b>of Fracture Mechanics Problems—PRASAD NAIR AND K. L. REIFSNIDER</b>	211
Unimod—The Technique	212
Results Using Unimod	214
Discussion and Conclusions	224
<b>Application of the J-Integral to Obtain Some Similarity Relations—S. J. CHANG</b>	
AND F. J. WITT	226
Some Preliminary Relations	228
The Similarity Conditions	229
Ilyushin's Principle for Rigidly Plastic Material	231
Singular Solution Near the Crack Tip	233
Elastic-Plastic Problems	234
Discussion	238
<b>Fracture Mechanics Evaluation of the Integrity of an Inlet Nozzle of a</b>	
<b>Pressurized Water Reactor Vessel Following a Postulated Loss of</b>	
<b>Coolant—C. B. BUCHALET</b>	240
Method of Analysis	241
Analysis and Results	248
Conclusions	252
Discussion	253

