

# ELASTIC-PLASTIC FRACTURE MECHANICS TECHNOLOGY

**Newman/Loss**

editors



STP 896

# ELASTIC-PLASTIC FRACTURE MECHANICS TECHNOLOGY

Sponsored by  
ASTM Committee E-24 on  
Fracture Testing  
through its  
Subcommittee E24.06.02

ASTM SPECIAL TECHNICAL PUBLICATION 896  
J. C. Newman, Jr., NASA Langley Research  
Center,  
and F. J. Loss, Materials Engineering Associates,  
editors

ASTM Publication Code Number (PCN)  
04-896000-30



1916 Race Street, Philadelphia, PA 19103

**Library of Congress Cataloging-in-Publication Data**

Elastic-plastic fracture mechanics technology.

(ASTM special technical publication; 896)

Proceedings of a workshop.

“ASTM publication code number (PCN) 04-896000-30.”

Includes bibliographies and index.

1. Fracture mechanics—Congresses.

2. Elastoplasticity—Congresses. I. Newman, J. C. II. Loss, F. J. III. ASTM Committee E-24 on Fracture Testing. Subcommittee E24.06.02. IV. Series. E24.06.02. IV. Series.

TA409.E38 1986 620.1'126 85-22965

ISBN 0-8031-0449-9

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Library of Congress Catalog Card Number: 85-22965

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## Foreword

This publication is the results of an ASTM Committee E24.06.02 Task Group round robin on fracture and a collection of papers presented at a workshop on Elastic-Plastic Fracture Mechanics Technology held at the regular Committee E-24 on Fracture Testing meeting in the Spring of 1983. The objective of the round robin and workshop was to evaluate and to document various elastic-plastic failure load prediction methods. J. C. Newman, Jr., NASA Langley Research Center, and F. J. Loss, Materials Engineering Associates, are editors of this publication.

## **Related ASTM Publications**

**Elastic-Plastic Fracture Test Methods, STP 856 (1985), 04-856000-30**

**Elastic-Plastic Fracture: Second Symposium, Volume I: Inelastic Crack Analysis;  
Volume II: Fracture Curves and Engineering Applications, STP 803 (1983),  
Volume I—04-803001-30; Volume II—04-803002-30**

**Elastic-Plastic Fracture, STP 668 (1979), 04-668000-30**

## A Note of Appreciation to Reviewers

The quality of the papers that appear in this publication reflects not only the obvious efforts of the authors but also the unheralded, though essential, work of the reviewers. On behalf of ASTM we acknowledge with appreciation their dedication to high professional standards and their sacrifice of time and effort.

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# Contents

|  |            |
|--|------------|
| <b>Introduction</b>  | <b>1</b>   |
| EXPERIMENTAL AND PREDICTIVE ROUND ROBIN  |            |
| <b>An Evaluation of Fracture Analysis Methods—J. C. NEWMAN, JR.</b>  | <b>5</b>   |
| ELASTIC-PLASTIC FRACTURE MECHANICS METHODOLOGY   |            |
| <b>Prediction of Instability Using the <math>K_R</math>-Curve Approach—<br/>D. E. MCCABE AND K. H. SCHWALBE</b>                                      | <b>99</b>  |
| <b>Deformation Plasticity Failure Assessment Diagram—<br/>JOSEPH M. BLOOM</b>  | <b>114</b> |
| <b>Predictions of Instability Using the Modified <math>J</math>, <math>J_M</math>-Resistance<br/>Curve Approach—HUGO A. ERNST AND JOHN D. LANDES</b> | <b>128</b> |
| <b>Prediction of Stable Crack Growth and Instability Using the <math>V_R</math>-<br/>Curve Method—J. C. NEWMAN, JR.</b>                              | <b>139</b> |
| SUMMARY  |            |
| <b>Summary</b>   | <b>169</b> |
| <b>Author Index</b>  | <b>173</b> |
| <b>Subject Index</b>   | <b>175</b> |



ISBN 0-8031-0449-9