

**ELASTIC-PLASTIC
FRACTURE MECHANICS
TECHNOLOGY**

Newman/Loss

editors



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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

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

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