ELASTIC-PLASTIC FRACTURE MECHANICS TECHNOLOGY

Newman/Loss

editors

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J. C. Newman, Jr., NASA Langley Research Center,
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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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