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# RESISTANCE TO PLANE-STRESS FRACTURE (R-CURVE BEHAVIOR) OF A572 STRUCTURAL STEEL

S. R. NOVAK

AMERICAN SOCIETY FOR TESTING AND MATERIALS

# RESISTANCE TO PLANE-STRESS FRACTURE (R-CURVE BEHAVIOR) OF A572 STRUCTURAL STEEL

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on Fracture Mechanics,
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# Foreword

This publication, Resistance to Plane-Stress Fracture (R-Curve Behavior) of A572 Structural Steel, is one of the papers presented at the Eighth National Symposium on Fracture Mechanics which was held at Brown University, Providence, R. I., 26-28 Aug. 1974. A summary only appears in the proceedings of this symposium (Mechanics of Crack Growth, ASTM STP 590). The symposium was sponsored by Committee E-24 on Fracture Testing of Metals of the American Society for Testing and Materials. J. R. Rice and P. C. Paris, Brown University, presided as symposium co-chairmen.

# Related ASTM Publications

Mechanics of Crack Growth, STP 590 (1976), $45.25, 04-590000-30

Fracture Analysis, STP 560 (1974), $22.75, 04-560000-30

Fracture Toughness and Slow-Stable Cracking, STP 559 (1974), $25.25, 04-559000-30

Fatigue and Fracture Toughness—Cryogenic Behavior, STP 556 (1974), $20.25, 04-556000-30

# A Note of Appreciation to Reviewers

This publication is made possible by the authors and, also, the unheralded efforts of the reviewers. This body of technical experts whose dedication, sacrifice of time and effort, and collective wisdom in reviewing the papers must be acknowledged. The quality level of ASTM publications is a direct function of their respected opinions. On behalf of ASTM we acknowledge with appreciation their contribution.

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