

Probabilistic Fracture Mechanics for Risk-Informed Activities

- Fundamentals and Applications -

Probabilistic Fracture Mechanics Subcommittee,
Atomic Energy Research Committee,
The Japan Welding Engineering Society

The objective of this book is to promote the spread of PFM techniques throughout the atomic energy industry. The book describes a variety of recent accomplishments and future developments in PFM research conducted by this subcommittee and the institutions that participate in this subcommittee, and is intended for a readership of structural material engineers and supervisors or managers responsible for protecting the operation of structural elements and plants. We hope this book will contribute in positive ways to the safety and logical soundness of the design, operation, and preventative maintenance of plants and structural elements. This book is published in digital form on the website of the Japan Welding Engineering Society (<http://www-it.jwes.or.jp/ae/>), from which the most recent version may be downloaded free of charge. We encourage all readers to take advantage of this resource as well.

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On behalf of the authors

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