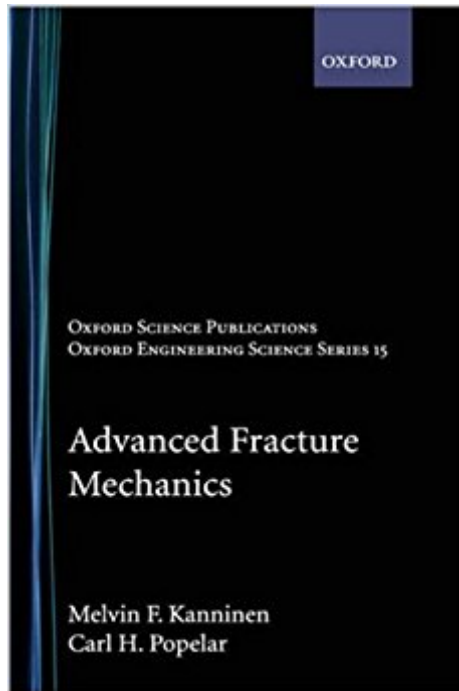




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Advanced Fracture Mechanics (Oxford Engineering Science Series)



Synopsis

This book presents an extensive, unified, and up-to-date approach to the still developing subject of fracture mechanics from an applied mechanics perspective. Progressing from the simple to the more advanced topics, it goes beyond the well developed area of linear elastic fracture mechanics to consider the dynamic and elastic-plastic regimes, and in doing so, extends the subject into a broader range of realistic engineering applications.

Book Information

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"This book presents a detailed and comprehensive state-of-the art review of fracture mechanics....deals with many aspects of fracture not found in any previous publication written on the subject.... The book is extremely well written and the authors bring physical insight rarely seen in any other book." --Applied Mechanics Review

"This book contains an up-to-date exposition of fracture mechanics and deserves to be on the shelves of researchers in this area....will in time prove to be a classic work of reference in elastoplastic fracture mechanics." --Proceedings of the Institution of Mechanical Engineers

Fracture mechanics is a subject that has not yet fully matured. Yet, it has existed long enough, and its practical applications are important enough, that a great deal of information is already available. Nevertheless, we wrote this book believing that fracture mechanics is currently at a unique stage.

Enough research has been performed to provide a solid foundation upon which future progress will build.

This book is an excellent collection of the scientific basis and useful practical data, written by authorities in the field.

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