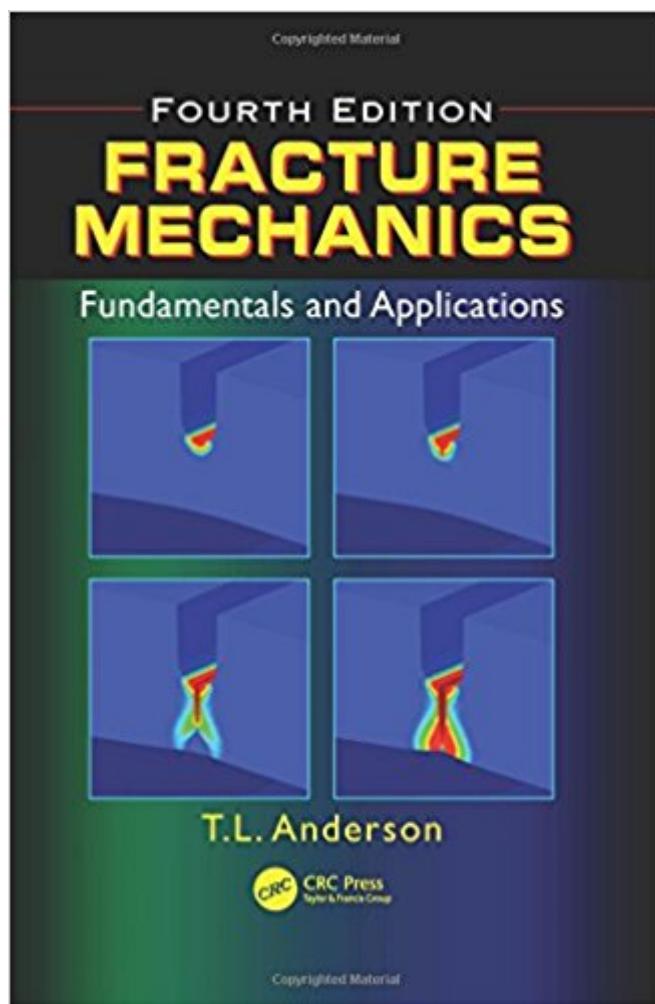


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Fracture Mechanics: Fundamentals And Applications, Fourth Edition



Synopsis

Fracture Mechanics: Fundamentals and Applications, Fourth Edition is the most useful and comprehensive guide to fracture mechanics available. It has been adopted by more than 150 universities worldwide and used by thousands of engineers and researchers. This new edition reflects the latest research, industry practices, applications, and computational analysis and modeling. It encompasses theory and applications, linear and nonlinear fracture mechanics, solid mechanics, and materials science with a unified, balanced, and in-depth approach. Numerous chapter problems have been added or revised, and additional resources are available for those teaching college courses or training sessions. Dr. Andersonâ™s own website can be accessed at www.FractureMechanics.com.

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"This book presents a good cross section of theoretical and practical material, providing the student with a good grounding in the fundamentals as well as examples and opportunities to practice solving engineering problems related to fracture. I especially like the historical approach taken in this book, which shows how the field has developed rapidly over the past 75 years. This gives the student an appreciation of how recently the field has emerged and how it is still evolving."â• Michael H. Santare, University of Delaware, USA

Dr. Anderson is an internationally recognized expert in fracture mechanics and fitness-for-service

methods. In addition to his best-selling book on fracture mechanics, Dr. Anderson has authored over 100 papers and 3 book chapters. During his career, he has held positions at a number of organizations, including TWI, Texas A&M University, Quest Integrity and Team Industrial Services. He founded a consulting and software company in 1995, which was acquired by Quest Integrity in 2007. Recently, Dr. Anderson returned to independent consulting. For more information about Dr. Anderson, visit his website at www.FractureMechanics.com.

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