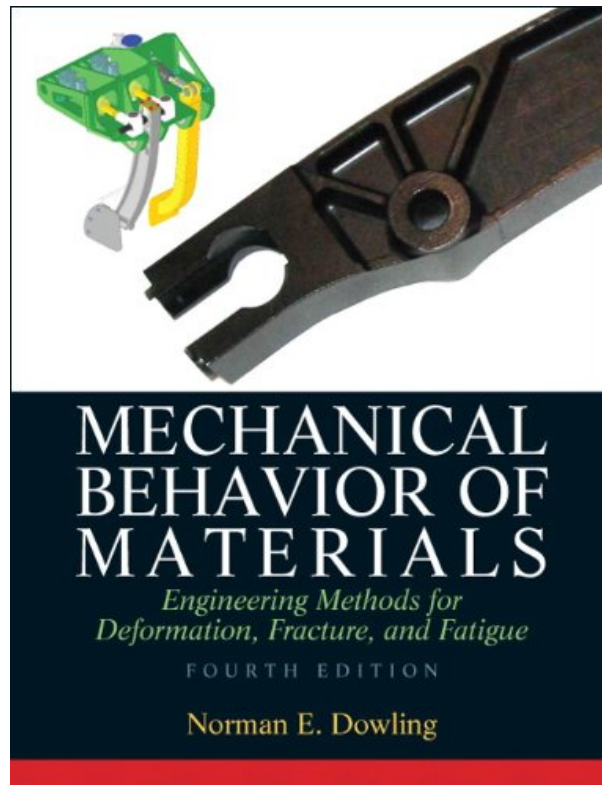
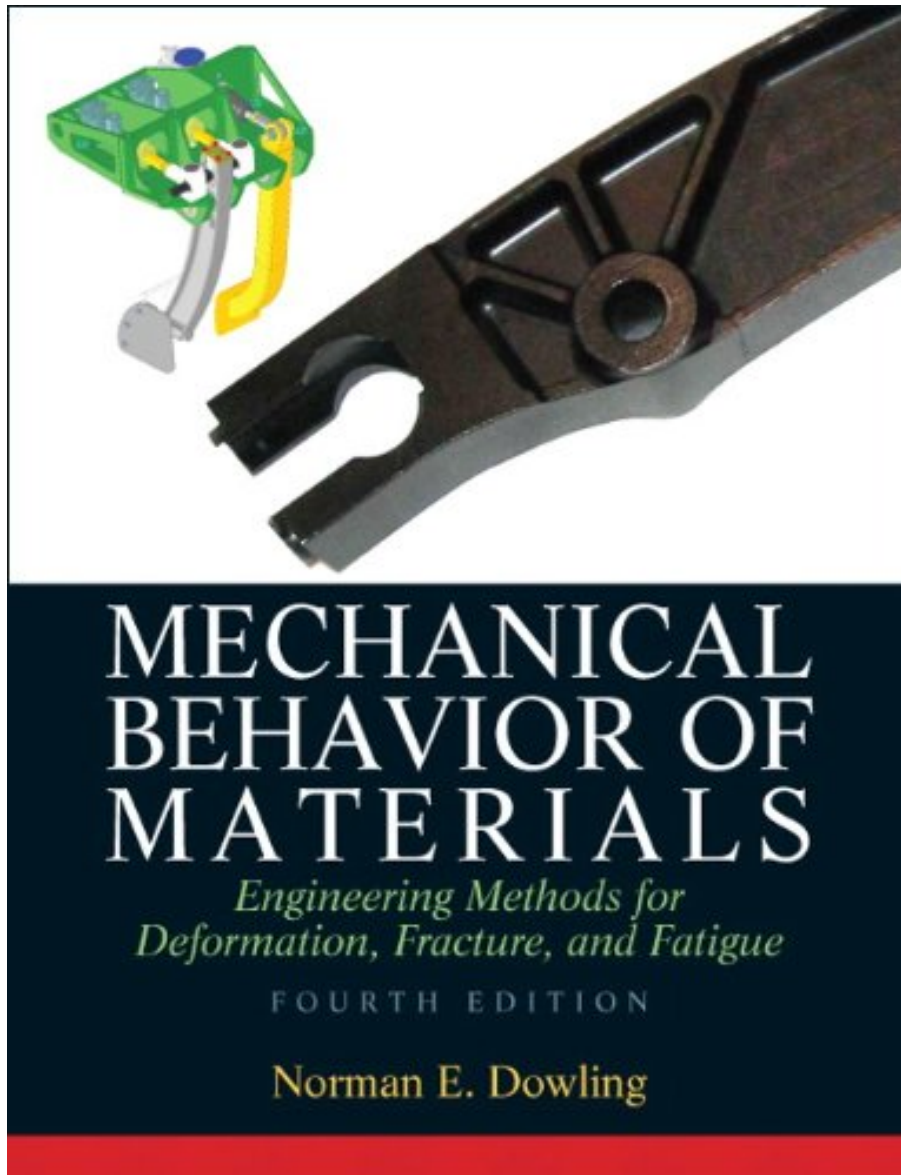


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## About the Author

Norman E. Dowling earned his B.S. in civil engineering (structures) from Clemson University in Clemson, S.C., and his M.S. and Ph.D. in theoretical and applied mechanics from the University of Illinois in Urbana.

An ASTM International member since 1972, Dowling serves on a number of E08 subcommittees and has recently been member-at-large of the E08 Executive Subcommittee. Professionally he has worked in the areas of fatigue, fracture, and deformation of engineering materials and components. Specific topics of interest include life prediction for irregular loading histories, plasticity effects on notches and in crack growth, and standard test methods for low cycle fatigue and for fatigue crack growth. He has also consulted on applications to engineering design, troubleshooting, and failure analysis.

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This book is outstanding in its technical content and writing clarity. I actually had the pleasure to learn the material from Professor Dowling himself and his clear method of teaching is reflected in his writing. The book provides a solid theoretical and practical foundation on failure criteria, fracture mechanics and the mechanics of fatigue. In my case, I went on and studied several of the topics presented in the book in more detail but Professor Dowling's book is still my number one reference.

Professor Dowling has actually worked in the industry and the examples and exercises are real problems made with real data.

The only problem I have with the book is that I can't keep it on my shelf as my coworkers keep borrowing it. Some might argue that the book price is high but this book is one of those you can't put a price tag on. If you really think of it economically, the book is a great investment (a no brainer).

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