



Engineering Economy: Applying Theory to Practice (Engineering & Technology)

By Ted G. Eschenbach

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Thoroughly revised in this second edition, *Engineering Economy: Applying Theory to Practice* combines real-world problems minicases, and examples with a solid theoretical foundation in engineering economy. This innovative book covers all the standard topics included in the Fundamentals of Engineering (FE) Exam. It clearly illustrates concepts and methods--such as cost estimating, sensitivity analysis, probability, and multiple objectives--needed for successful application of engineering economy in industry practice. In addition, fully integrated Excel spreadsheets throughout the text function as indispensable analytical tools for problem-solving and understanding. *Engineering Economy: Applying Theory to Practice, 2/e*, is a comprehensive introductory text suitable for upper-division undergraduate courses, graduate courses, or as a professional reference.

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- Unique insight into using Excel functions for MACRS depreciation
- New problems, examples, references, illustrations, graphs, and tables
- Minicase studies at the ends of most chapters
- Improved coverage of replacement analysis, inflation, and sensitivity analysis
- An appendix on engineering economy-based accounting
- More accessible presentation of analyzing the defender in replacement problems

- Discussion of geometric gradients unified with other engineering economy factors

- Comparison of mutually exclusive alternatives now precedes the treatment of constrained project selection/capital budgeting

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Editorial Review

About the Author

Ted G. Eschenbach, P.E., is a Professor of Engineering Management at the University of Alaska, Anchorage, and a consultant at TGE Consulting. He is the author or coauthor of five leading engineering economy texts including *Engineering Economic Analysis* 8/e (2000), *The Economic Analysis of Industrial Projects* 2/e (1992), and *Cases in Engineering Economy* (1989). He is also on the editorial board of *The Engineering Economist* and was founding editor of *Engineering Management Journal*. In addition, he has served in a variety of positions for the following professional societies: ASEM, ASEE, and IIE.

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