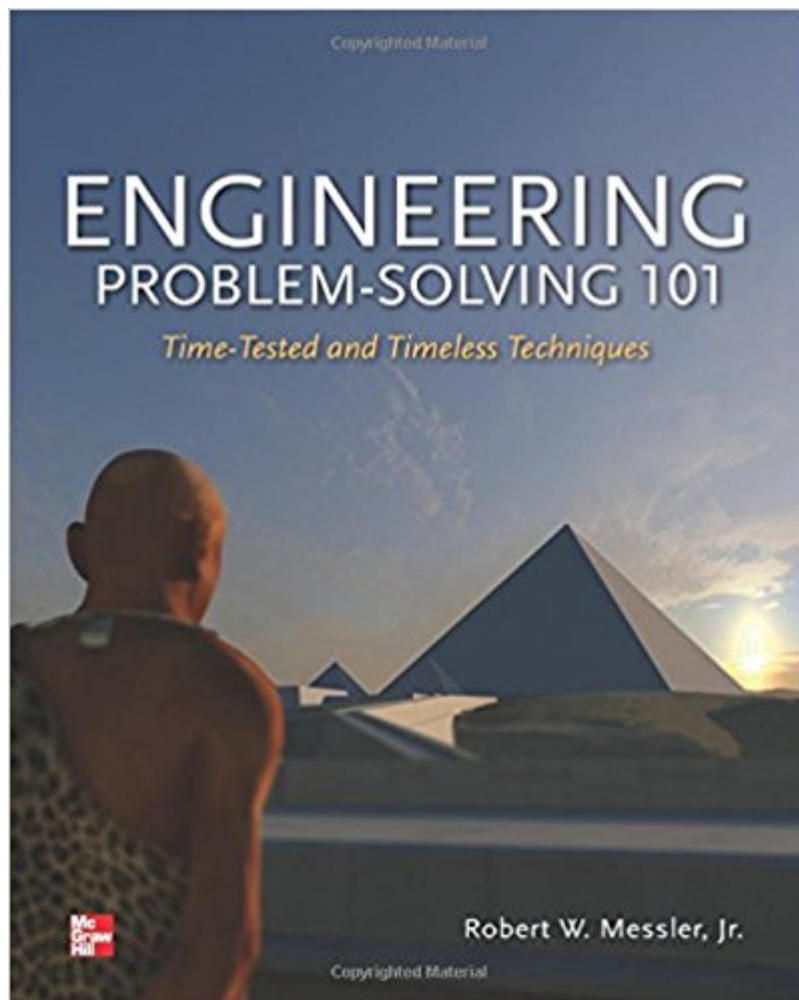




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# Engineering Problem-Solving 101: Time-Tested And Timeless Techniques



## Synopsis

**MASTER UNIVERSAL ENGINEERING PROBLEM-SOLVING TECHNIQUES** Advance your engineering skills and become a capable, confident problem solver by learning the wide array of tools, processes, and tactics employed in the field. Going far beyond "plug-and-chug" solutions, this multidisciplinary guide explains the underlying scientific principles, provides detailed engineering analysis, and lays out versatile problem-solving methodologies. Written by an "engineer who teaches," with more than 20 years of experience as a practicing engineer and numerous awards for teaching engineering, this straightforward, one-of-a-kind resource fills a long-vacant niche by identifying and teaching the procedures necessary to address and resolve any problem, regardless of its complexity. *Engineering Problem-Solving 101: Time-Tested and Timeless Techniques* contains more than 50 systematic approaches spanning all disciplines, logically organized into mathematical, physical/mechanical, visual, and conceptual categories. Strategies are reinforced with practical reference tables, technical illustrations, interesting photographs, and real-world examples. Inside, you'll find: 50+ proven problem-solving methods Illustrative examples from all engineering disciplines Photos, illustrations, and figures that complement the material covered Detailed tables that summarize concepts and provide useful data in a convenient format

## Book Information

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## Customer Reviews

Robert (Bob) W. Messler is Professor of Engineering at the Materials Research Center at Rensselaer Polytechnic Institute in Troy, New York. He spent 16 years in industry, 11 years at

Grumman Aerospace, and 5 years at Eutectic-Castolin. Dr. Messler then returned to Rensselaer, where he earned his degrees, to serve as Technical Director and Associate Director of the Center for Manufacturing Productivity. He later became tenured as Professor and was appointed as Associate Dean for Academic & Student Affairs. Dr. Messler has authored 5 technical books.

Very useful overview.

This book Gives a good understanding of the various engineering problem solving techniques. It served the purpose I needed it for.

Well, it's "101." What can I say? A primer.

Love this product! It's a gem! I never realized cutting veggies could be so easy. Disclaimer I've never had nice knives before so I'm not sure what I'm comparing it to. I just know I'm happy! as a birthday gift to my husband fine. fast shipping. Received as described.

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