



Engineering Problem-Solving 101: Time-Tested and Timeless Techniques

By Robert W. Messler

McGraw-Hill Education - Europe. Paperback. Book Condition: new. BRAND NEW, Engineering Problem-Solving 101: Time-Tested and Timeless Techniques, Robert W. Messler, This one-of-a-kind guide on HOW to solve real-world engineering problems is an ideal supplemental text for all engineering students. Engineering Problem-Solving 101 focuses on actual problem-solving techniques used by engineers in practice, not in theory. It identifies, describes, discusses, and presents illustrative examples of the use of the wide variety of tested techniques real-world engineers have employed in practice for centuries. Typically, students are immersed in problems - with no prior training in problem-solving. Many never learn though and fail or bail out of engineering. Others never recognize precisely what it was that they did to arrive at a solution to a problem. This book presents the techniques by which problems in engineering are solved, as opposed to the subject-specific areas other books teach. A must-read or primer for every student entering an engineering program, all of which require a dozen or more courses that necessitate problem-solving Comprehensive - more than 50 time-tested techniques Divided into mathematical, mechanical/hands-on, visual, and abstract conceptual techniques Every technique is exemplified by an illustrative example.



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