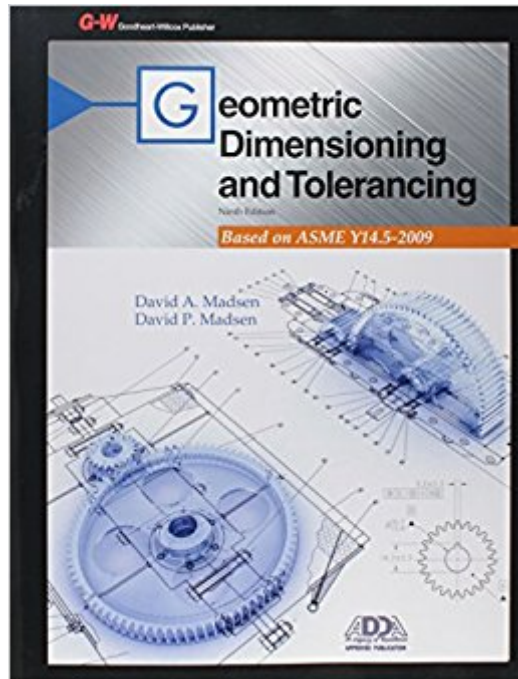




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Geometric Dimensioning And Tolerancing



Synopsis

Geometric Dimensioning and Tolerancing provides thorough coverage of GD&T practices, as established by the ASME Y14.5M-2009 standard. From understanding symbols on existing drawings to calculating the tolerances for proper size and location of features, topics are introduced in a methodical manner to establish an understanding of basic concepts before building to more advanced applications. Heavily illustrated, the use of the second color enhances learning by highlighting callouts and labels separately from the symbols and text of each drawing. The textbook discusses the interpretation of GD&T symbology and proper representation on drawings. Included in the textbook are Chapter Tests, Print Reading Exercises, Drafting Problems, and a comprehensive Final Exam. Instructor resources include answer keys, lesson plans, Final Exam and Drawing Problem solutions, visual masters, and course syllabi.

Book Information

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Customer Reviews

David A. Madsen is the president of Madsen Designs Inc. and an Authorized Autodesk Author. David is Faculty Emeritus of Drafting Technology and the Autodesk Premier Training Center at Clackamas Community College in Oregon City, Oregon. David was an instructor and department Chairperson at Clackamas Community College for nearly 30 years. In addition to community college experience, David was a Drafting Technology instructor at Centennial High School in Gresham, Oregon. David is a former member of the American Design Drafting Association (ADDA) Board of Directors, and was honored by the ADDA with Director Emeritus status at the annual conference in

2005. David has extensive experience in mechanical drafting, architectural design and drafting, and building construction. David holds a Master of Education degree in Vocational Administration and a Bachelor of Science degree in Industrial Education. David is the author of Geometric Dimensioning and Tolerancing and coauthor of Architectural AutoCAD, Architectural Desktop and its Applications, Architectural Drafting Using AutoCAD, AutoCAD and Its Applications: Basics, Advanced, and Comprehensive, AutoCAD Essentials, and other textbooks in the areas of architectural drafting, mechanical drafting, engineering drafting, civil drafting, architectural print reading, and mechanical printing reading. David P. Madsen is the president of Engineering Drafting and Design, Inc., the vice president of Madsen Designs Inc., an Authorized Autodesk Author, and a SolidWorks Research Associate. Dave provides drafting and design consultation and training for all disciplines. Dave has been a professional design drafter since 1996, and has extensive experience in a variety of drafting, design, and engineering disciplines. Dave has provided drafting and computer-aided design and drafting instruction to secondary and postsecondary learners since 1999, and has considerable curriculum, program coordination, and development experience. Dave holds a Master of Science degree in Educational Policy, Foundations, and Administrative Studies with a specialization in Postsecondary, Adult, and Continuing Education; a Bachelor of Science degree in Technology Education; and an Associate of Science degree in General Studies and Drafting Technology. Dave is the author of Inventor and its Applications, and coauthor of Architectural Drafting Using AutoCAD, AutoCAD and Its Applications: Basics and Comprehensive, Geometric Dimensioning and Tolerancing, and other textbooks in the areas of architectural drafting, mechanical drafting, engineering drafting, civil drafting, architectural print reading, and mechanical printing reading.

Purchased this book for a class. I found it to be one of the better textbooks. The book was to the point, explaining everything clearly. The chapters continue to reintroduce subjects you learn at the very beginning. Building upon each subject at a steady pace.

They give definitions for stuff but lack concrete examples to improve understanding. It isn't until you try to do their end of the chapter questions that you realize how lacking this book is. You see something like "Describe Datum A" as a question, flip through the chapter and realize they never explained how to describe a datum. The problem isn't your understanding of the material, but rather they never give an example of how to do this and the answer could be one of many answers that you could use. I have found youtube videos and online websites that teach this material better than this book.

Good book with a great approach to GDnT. I feel there should be a blueprint to the questions and tests for self study purpose. Some more intricate examples along the way could really show how GDnT works on more complex pieces of hardware. In a class room the instructor or professor will always be there to answer ones questions. Studying alone it is more difficult to punch through a problem and get a clear understanding sometimes.

Required for a class. Terrible book. Long winded explanation of the subjects that don't make sense. The end of chapter questions are not always in reference to that chapter. Lots of errors in the print reading exercise questions.

I use this on a weekly basis, it is an invaluable tool.

For a dying art, this book really meets my expectations.

Excellent book for the price. Needed it for a class and was easy to follow.

Item as described, quick ship, A++++

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