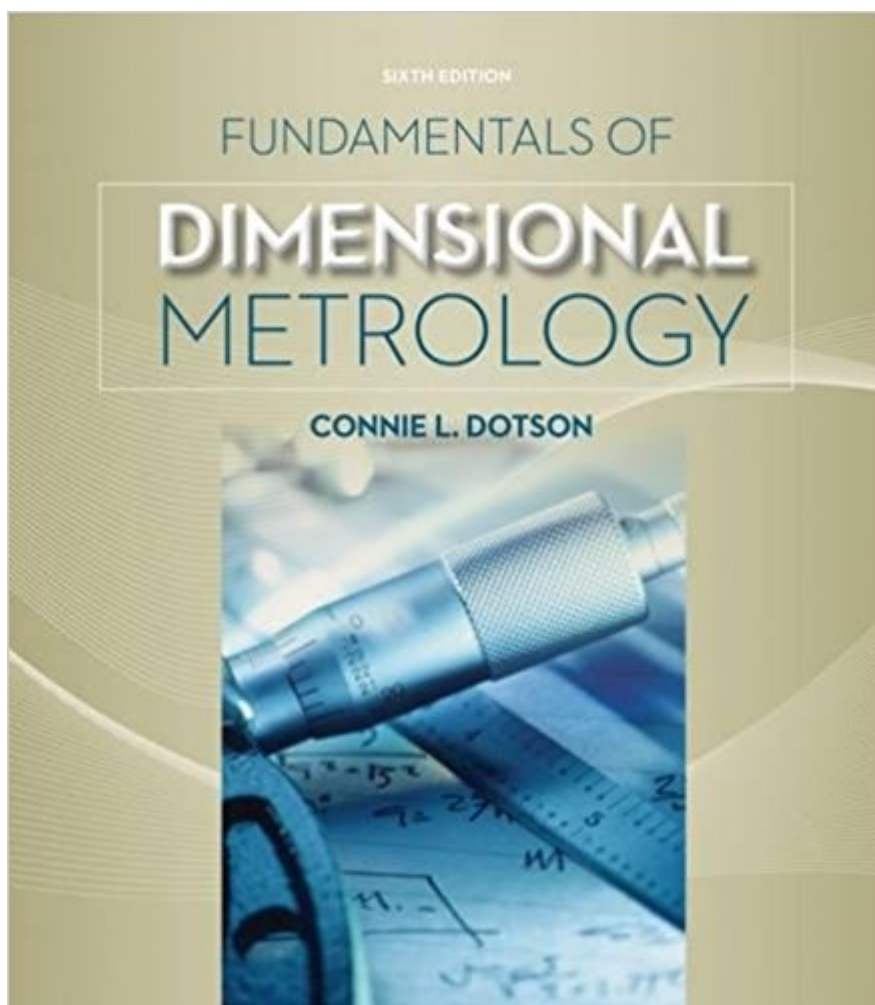


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# Fundamentals Of Dimensional Metrology



## Synopsis

Reflecting the latest changes in standards and technology, market-leading FUNDAMENTALS OF DIMENSIONAL METROLOGY, 6e combines hands-on applications with authoritative, comprehensive coverage of the principles, techniques, and devices used within today's dimensional metrology field. The Sixth Edition has been thoroughly revised and updated in direct response to reviewer feedback. The new edition features an easier to understand presentation, a new lab manual/workbook, updated photos and illustrations and updated references to measurement standards.. The text continues to use both metric and imperial systems but emphasizes metric measurement devices and concepts in all examples for greater consistency with the latest industry trends.

## Book Information

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## Customer Reviews

Connie L. Dotson is a journeyman tool and die maker and a professional trainer who has taught technical, apprentice, software, and metrology courses in college and private industry. She also has presented training design plans at the national American Society for Training and Development (ASTD) Conference. She holds a Master of Business Administration degree with emphasis on adult learning and training design.

This book was a syllabus requirement for one of my quality assurance classes. It was a simple book to learn from, as there were several drawings and illustrations explaining several dimensional

metrology factors. The chapters are pretty much spelled out with each section focusing on a different metrology subject matter. A book on this subject matter can be intimidating to read especially for those who are just starting out with learning about the subject. The author does a great job explaining everything through wording and illustrating which shows the author really does know metrology very well. I was very pleased with this book and I still use it as a reference to this day.

Very dry reading. Of all my CNC class books, this one is definitely the most boring to read. The graphics could be better, as well. An example, there is a diagram of a engine lathe. There were tons of names and arrows to the parts, however, the diagram was so small, you needed a magnifying glass to see what they were pointing at. Either explode some parts, then label them, or have the diagram take up the entire page.

As some others have said, this book would be great for hobbyists. There's a wealth of information in it that is invaluable to machinists, metrologists, engineers and the like. That said, I'm not a hobbyist - I'm a student. As of this writing (Spring 2013), Morrisville State College uses this book for their Dimensional Metrology course. As a teaching aid, this book is awful. The questions are vague - poorly worded, and with little indication if several answers are desired (as is often the case). The chapters are poorly organized. If you need to go back into a chapter to look for specific information, good luck finding it. This book tries to pander to English and Metric units, and it does so poorly. Sometimes, it will address English first and then (the next paragraph, perhaps) Metric. Other times, it will do the opposite. There are still other times when it tries to tackle both at once, and it renders passages of the book unreadable. The writing style of the book is the horrible love-child of "incredibly dry" and "get to the point!". There's lots of superfluous wording and anecdotes, and all of it is a chore to plod through. Originally written in the 1960's, the Band Aid's applied over the years certainly show. Many of the images ("Figures", in book-speak) have captions only tangentially related to them. The image may have things labeled A, B, C, etc. on it, but the labels are never addressed anywhere else in the text. If you're someone that \*wants\* to learn about dimensional metrology, I'm sure you could overlook this book's flaws. For people that \*need\* to learn it, these flaws are inexcusable, especially at this price point.

It's what I needed and it's what it says it is. The cover had some damage but it's a used book and the new edition is 170 bucks so this is a steal.

filled with good information on measurement.

Excellent shape!

I rented this textbook because the price for a new copy, and even a used one, were outrageous. I noticed as well that students from the previous term were eager to sell their copies--it wasn't a book they wanted to keep or thought would be a useful reference in the future. The end-of-chapter quizzes sometimes presented questions about material not covered in the chapter, and some of the "correct" answers were debatable or confusing, even to our instructor. I know I was not alone in finding the book difficult to read--others in the class also found it to be a fantastic sleep aid. I did find some information in it to be useful and enlightening, but I am also glad to be through with it. There must be a better resource out there on this topic.

Excellent

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