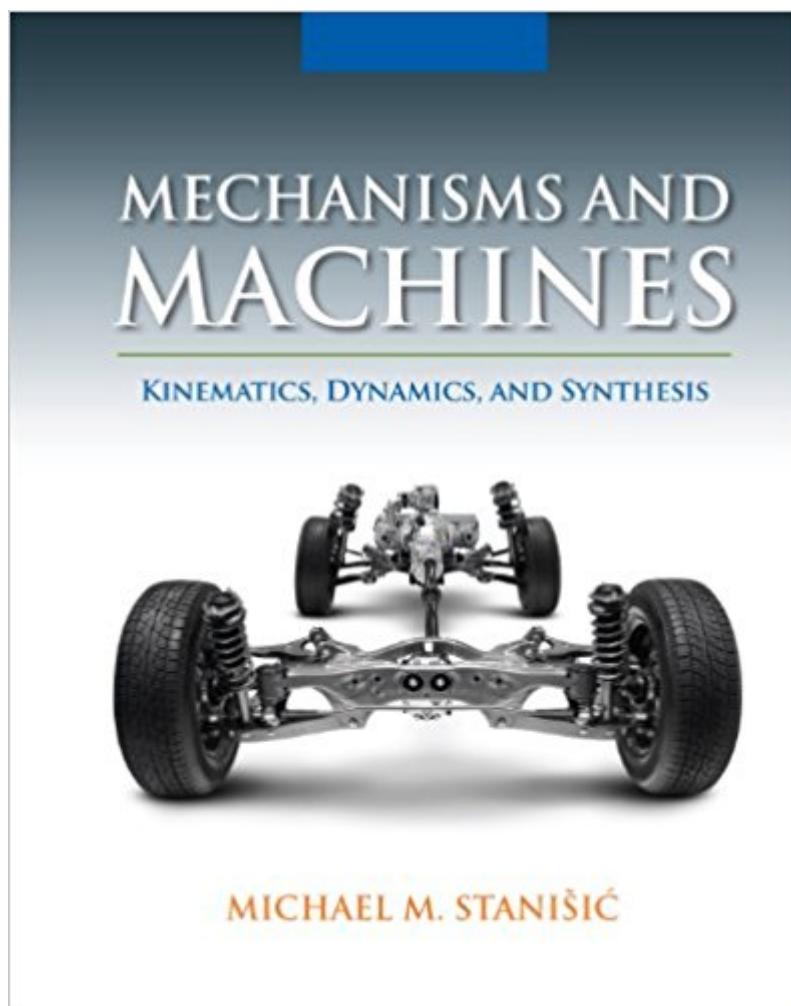


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Mechanisms And Machines: Kinematics, Dynamics, And Synthesis



Synopsis

MECHANISMS AND MACHINES: KINEMATICS, DYNAMICS, AND SYNTHESIS has been designed to serve as a core textbook for the mechanisms and machines course, targeting junior level mechanical engineering students. The book is written with the aim of providing a complete, yet concise, text that can be covered in a single-semester course. The primary goal of the text is to introduce students to the synthesis and analysis of planar mechanisms and machines, using a method well suited to computer programming, known as the Vector Loop Method. Author Michael Stanisic's approach of teaching synthesis first, and then going into analysis, will enable students to actually grasp the mathematics behind mechanism design. The book uses the vector loop method and kinematic coefficients throughout the text, and exhibits a seamless continuity in presentation that is a rare find in engineering texts. The multitude of examples in the book cover a large variety of problems and delineate an excellent problem solving methodology.Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Customer Reviews

This is a pretty good text book. It was converted from course notes into a text. There are a few typos in the book, and a few of those typos are in example problems. Typos in example problems make it a little difficult to make sure you are on the right track sometimes, because there were a few times that my understanding didn't line up with the text but my understanding was correct. (This only happened once or twice though). Although there are some typos the math and equations are right when it is first explained and the textbook is written so that it is pretty easy to understand. Every book has some typos so I wouldn't let that stop me from buying this book

This is a terrible textbook. First things first, there's no answers to problems or no solutions. So in order to even know if you got any problems right you need to buy the solution manual as well. Also there so many inconsistencies and mistakes in the book it is ridiculous. This is the worst textbook I've come across in my engineering undergrad. I would stay away from it at all costs.

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