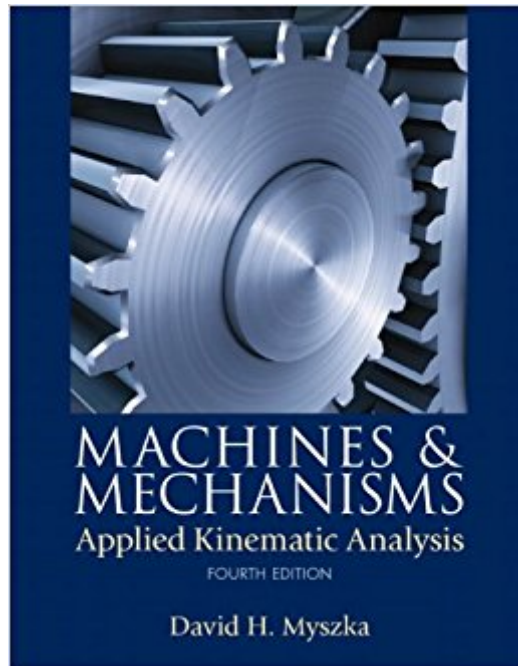




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Machines & Mechanisms: Applied Kinematic Analysis (4th Edition)



Synopsis

This up-to-date introduction to kinematic analysis ensures relevance by using actual machines and mechanisms throughout. **MACHINES & MECHANISMS, 4/e** provides the techniques necessary to study the motion of machines while emphasizing the application of kinematic theories to real-world problems. State-of-the-art techniques and tools are utilized, and analytical techniques are presented without complex mathematics. Reflecting instructor and student feedback, this Fourth Edition's extensive improvements include: a new section introducing special-purpose mechanisms; expanded descriptions of kinematic properties; clearer identification of vector quantities through standard boldface notation; new timing charts; analytical synthesis methods; and more. All end-of-chapter problems have been reviewed, and many new problems have been added.

Book Information

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Customer Reviews

I'm only about halfway through my course with this book. Some of the concepts are not explained well, and there are a few points where they change their labeling/naming format halfway through an example without telling you. But, for the most part, it does its job. This is a good textbook if your instructor is knowledgeable on the topic. S/he'll point out these little problems, and explain around them. Homework help for this textbook are on Chegg. It's worth the monthly subscription. Before you think it's your golden ticket, know that most good instructors know these solutions are on the internet... so be careful. ;)

for school

Required text for the course I took, way cheaper than the school bookstore. Sometimes, I thought things weren't explained well, and some of the questions at the end of the chapter used situations that were not addressed in the text. Even the instructor agreed with that. Also, the text deals with the theoretical aspect of some of the items, where our instructor was a retired engineer, and taught to the use of the subject matter in the real world. Overall though, the book was adequate

It appears this book was edited very poorly from the third edition to the fourth edition. For example we would be assigned homework problems at the end of each chapter the answers to the odd problems are in the back of the book but most of the answers are from the third edition text there were very few answers in the back of the book that were correct we know because our instructor had both editions of the book. There are numerous typos through out the book incorrect units bad equations the whole chapter on cams is useless none of the cam displacement equations work we had to use another reference when we got to the cam section. About the only thing in this book that was accurate was the graphical portions of each chapter that was it. I do not recommend this book if you need to learn anything about kinematics evaluated analytically.

This book is pretty easy to understand, but it's short on images. I had to read a lot of text to understand the concepts. It is very clear in its descriptions; however. It's fairly easy to navigate around this book. It's created for people who are studying Machine Design. It's a textbook, so nothing like a plot.

Great book for learning kinematics

Excellent

Textbook required for class (but we don't use it much - just a money pit for the publishers from the school).

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