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Foundations Of MEMS (International Edition)



Synopsis

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Customer Reviews

Between reviews from disgruntled students and people who were reviewing the seller rather than the book, let's see if I can squeeze in a (hopefully) impartial review for this book. The book provides a rather decent review of the mainstream techniques for the design and fabrication of MEMS, and is a rather good reference book for Electrical Engineers to have handy for calculation of mechanical properties of simple structures. It does an ok job of teaching the basics, which makes it ok for (as was said before) advanced undergraduates or graduate students. Having said that, there are many many cons: The first one is the price. Probably in account of how rare this book is (which may or may not tell you something about how often it is required and used), the price is in my opinion sky-high. Go for the international version of this book if you are outside the US, or choose another one. The proposed questions and examples are a mess, and that's an understatement. The meticulous student will easily notice many answers and developments are wrong, and many examples skip absolutely essential steps to obtain the answer (which makes things worse when the answer is wrong, and at times it is). While it is possible to obtain the right answer by being cautious, the average student will be very frustrated by not obtaining the results the book presents, without knowing they're wrong. Overall, interesting to have as a reference. I would not use it for teaching, or

if so, I would double-check every chapter I teach for accuracy.

Using this book for an undergrad MEMS course open to both Electrical and Mechanical Engineering students. It puts things in entry-level terms, and provides a good general overview of MEMS characteristics and fabrication processes

I changed my rating because this is the first time I am rating something and want to check all the stars (I was just curious). Sorry about that. I would recommend this book and the page to my co-workers. thanks!

I think it would work well for both mechanical and electrical engineering students, at the advanced undergraduate level, and would work for a well-motivated student in the life sciences as well. I used it in a self-study mode and found it to be quite good, but a little short of excellent. Compared with current research, MEMS is a rapidly advancing field, the book seems a little old already (2005 publication date). I was also lukewarm on the choice of examples which seemed rather scattered between commercial applications and experimental applications. Still, this is a very good textbook and what I'd use for teaching a class on this material.

A well written book on MEMS

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