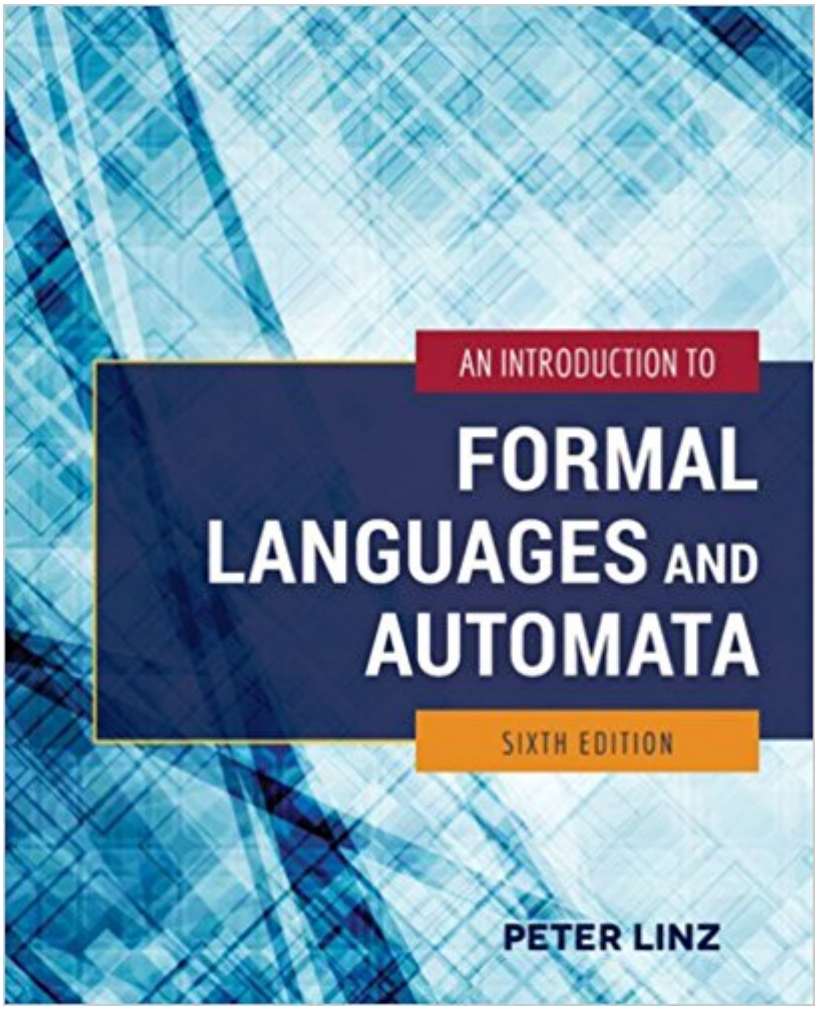
An Introduction To Formal Languages And Automata



Synopsis

An Introduction to Formal Languages and Automata, Sixth Edition provides an accessible, student-friendly presentation of all material essential to an introductory Theory of Computation course. Written to address the fundamentals of formal languages, automata, and computability, the text is designed to familiarize students with the foundations and principles of computer science and to strengthen the students' ability to carry out formal and rigorous mathematical arguments. The author, Peter Linz, continues to offer a straightforward, uncomplicated treatment of formal languages and automata and avoids excessive mathematical detail allowing students to focus on and understand the key underlying principles. New & Key Features: â ¢ An accessible approach allows students to clearly understand key content while retaining the appropriate mathematical notations and theorems required for the course â ¢ New Chapter Synopsis, found at the end of each chapter, recap important concepts found in the text â ¢ Every major idea is preceded by a motivating example, drawn from applications, that introduces the concept and illustrates its usefulness â ¢ The exercise section has been restructured and improved with accessible exercises more closely tied to examples in the text â ¢ An enhanced Instructor's Manual includes more detailed solutions to problems found in the text

Book Information

Hardcover: 450 pages
Publisher: Jones & Bartlett Learning; 6 edition (January 26, 2016)
Language: English
ISBN-10: 1284077241
ISBN-13: 978-1284077247
Product Dimensions: 7.5 x 1.2 x 9.3 inches
Shipping Weight: 1.8 pounds (View shipping rates and policies)
Average Customer Review: 2.5 out of 5 stars 47 customer reviews
Best Sellers Rank: #29,193 in Books (See Top 100 in Books) #10 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Logic #11 inÂ Books > Computers & Technology > Networking & Cloud Computing > Data in the Enterprise #153 inÂ Books > Textbooks > Computer Science > Programming Languages

Customer Reviews

Not exactly the best book. That is why an in-class lecture is required. This book is somewhat odd.. how do I put it? It's very simple? It describes something very complex in very few words. It's not

exactly a good self-study book. There aren't many examples either, which formal languages and automata needs to be able to convey the idea across the reader/studier. Automata isn't a complex subject at all if you learn the concepts correctly, BUT this book makes me think it's the most difficult thing in the world. I remember I stubbornly tried to read the same sentence over and over again thinking I could read behind the meaning, because I got so frustrated trying to understand the topic and refused to give up, but how do you find the meaning behind ONE sentence that tried to explain what a Turing machine is? Stupid book. I hate you.

This is the recommended book at my grad school but studying from it is incredibly difficult and easy to miss vital details. The only possible use for this book is to use the examples and exercises to practice for your mid-term and finals.You'd be a robot if you did that but do you really have a choice? If you do, then get another text book This book isn't student-friendly.

The textbook that I received is not the standard edition - it is still the 5th edition, but the cover looks different and it says "For sale in India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan and Myanmar only. Not for export elsewhere" so that seems fishy.This isn't the main problem though, the main problem is that the copy is missing some pages! I found that after page 122, it shows page 115 instead of 123. This sequence continues until we come back to page 122, and the next page is page 139! I am missing pages 123-138 and have a duplicate of pages 115-122. I have no idea why but this is very inconvenient, I am missing an entire section and a half.

The kindle version screwed up the Latex math formatting... In what is largely a CS math book. Complements render as minuses instead of overlines or bars. Fractions don't render at all! Who knows what else is wrong. Unsafe to use for homework!

Definitely a very weak book unless you like learning from doing problems and just hope you got the right answer. Even the answers in the back of the book usually only gives the solution for half of the problem. I would not recommend, of course you probably have no choice if this is the book for your class. In that case I recommend you take with a very strong professor (as I did) or get a second book from another author to help.

This book is bad both as a computer science text and as a mathematics text. If the book is required for a course copy the problem sets and read a better book.

Sometimes it has excellent explanations but most of the time... It is just ok.

I could understand the explanations; all except the pumping lemma. Another professor had to explain it to me. Not that difficult of a concept, but this book sure tries to make it impossible to understand.