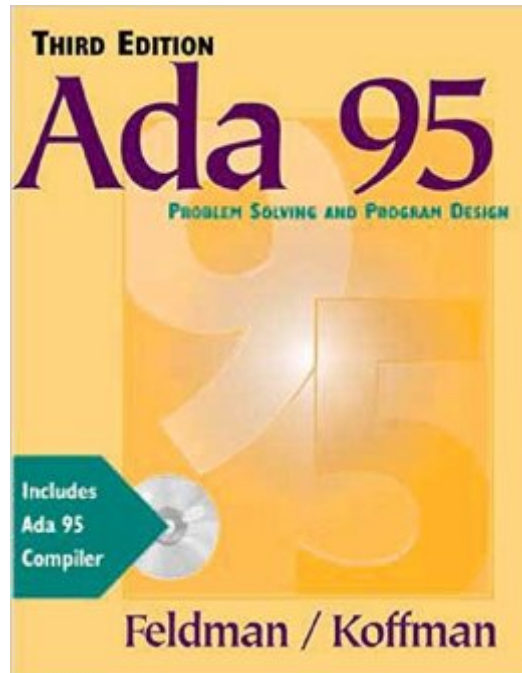


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Ada 95: Problem Solving And Program Design (3rd Edition)



Synopsis

Students with no prior programming experience will begin to program with this powerful language ideal for large-scale software system development, such as the Boeing 777. Ada 95 is the first object-oriented programming language to be internationally standardized. This allows the programs presented in the text to be completely portable to any validated Ada 95 compiler. While presenting a balanced mixture of modern programming concepts and Ada 95 language capabilities, this text provides a solid programming foundation.

Book Information

Paperback: 813 pages

Publisher: Addison-Wesley; 3 edition (March 26, 1999)

Language: English

ISBN-10: 020136123X

ISBN-13: 978-0201361230

Product Dimensions: 7.3 x 1.7 x 9.1 inches

Shipping Weight: 2.9 pounds

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Customer Reviews

The text is an organized, well written, generously exemplified introduction to Ada95 for the novice. It provides a good basis for object oriented programming using Ada95 for generics and privates (ADTs), it does not cover as fully or clearly inheritance and/or polymorphism. This book is appropriate for a 200 level CS class. I personally was disappointed with the amount of clear differentiation between Ada83 and Ada95. The section on tasking dismisses conditional Select entry as being beyond the scope of the book. Variant records are given too large a play. though they are a good intro to the thinking behind Ada polymorphism, in practice (Ada83) they are too code intensive and have serious short comings when used as private data elements. Overall, I think that this is a good, complete Ada95 introductory text. It is NOT an in-depth push the boundaries of the language or a "here's how to go from Ada 83 to Ada 95."

I have the Ada 2005 Book by Barns and tried to learn the language with it, but it was frustrating because that book is more like a reference. This older book on the other hand is great tutorial to actually learn the language. It's a shame that it is not updated anymore but you can still use it if you are a beginner and learn the Ada 2005 and 2012 add ons later. This book will help every beginner to get into this language. If you are new to Ada, I recommend this book as a first read. The CD wasn't included (I bought a used copy) and it was hard to find it on the internet. I entered "ada 95" "problem solving and program design" as search terms in Bing and found a website on seas.gwu.edu which contains resources for this book including the files on CD. You can't post urls here, but if you search like that you should find the resources.

I use this book in several Ada courses that I teach. This book is outstanding! The accompanying CD contains a validated compiler and all the examples in the textbook. The examples are excellent!

Mark Oestmann

Ada 95 is nicely written easy to understand book. I use this book in beginning Ada 95 course that I teach. It explains programming concepts and Ada 95 constructs in a interesting way by citing examples. It comes with a CD which has GNAT Ada95 compiler (for PC/MAC/UNIX) as well as key documentations like ARM, AARM, and Rationale in text, html and postscript format. I highly recommend this book to any one interested in learning Ada 95 from beginning. Great book!!!

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