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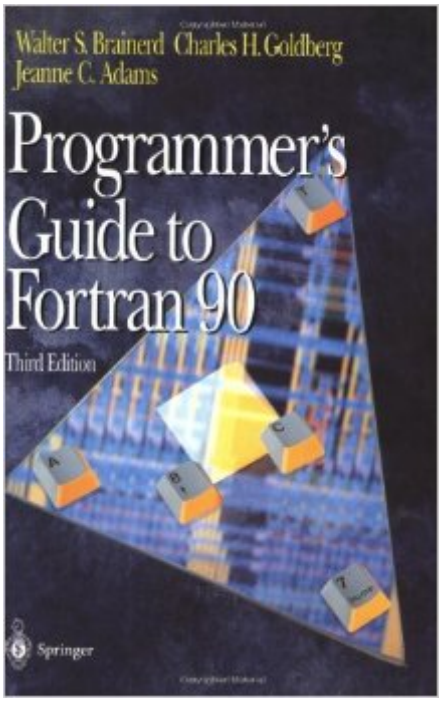
Programmer's Guide To Fortran 90



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Synopsis

Written by members of the Fortran 90 ISO and ANSI committees, this book is the source of the most important information about the powerful Fortran 90 programming language. It is organized so that it may be read beginning to end, but also so that particular topics may be studied directly. All of the important new features of Fortran 90 are covered with examples and case studies are used to illustrate the practical use of features. There are also simple problems designed to enable the reader to exercise their knowledge of the topics learned. Amongst the features of this book are: - free source form, new do and case constructs, recursion, modules, data structures, array processing, internal procedures, optional and keyword arguments, and nonadvancing input/output; - extensive examples of Fortran 90 programs; - case studies that illustrate the practical use of Fortran 90 features; - style notes; - extensive discussion of input/output facilities; - the complete syntax of Fortran 90.

Book Information

Paperback: 445 pages

Publisher: Springer; 3rd edition (June 13, 2008)

Language: English

ISBN-10: 0387945709

ISBN-13: 978-0387945705

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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Customer Reviews

After looking through most of the available texts, we chosethis this book to teach a course on Fortran-90 to scientists and engineers at NASA. It is especially helpful to programmers with a good understanding of Fortran-77 who want to make the transition to this powerful revision of the language. The book covers the most useful new features (array processing, allocateable memory, derived types, encapsulation) very thoroughly. The writing is generally clear, cogent, and understandable. The only thing lacking is a complete treatment of language intrinsic functions, for

which you need the large (and expensive) language handbook.

I use this book over the Compaq fortran 90 language manual sometimes. Examples are easy to follow and the writing is very clear. Many examples. There is a nice section at the back on obsolete fortran 77 conventions, and their replacements. It's a nice compact book too - you don't realize how much information it contains because it's not enormous and heavy. I recommend it to anybody

I had no experience with Fortran before getting this book(I'm an economics major and have a little experience with econometric softwares). Because this book starts with the very basic, it is not difficult to follow. Also the book offers a lot of examples to make me understand deeper. I recommend this book especially for those who haven't learned Fortran language.

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