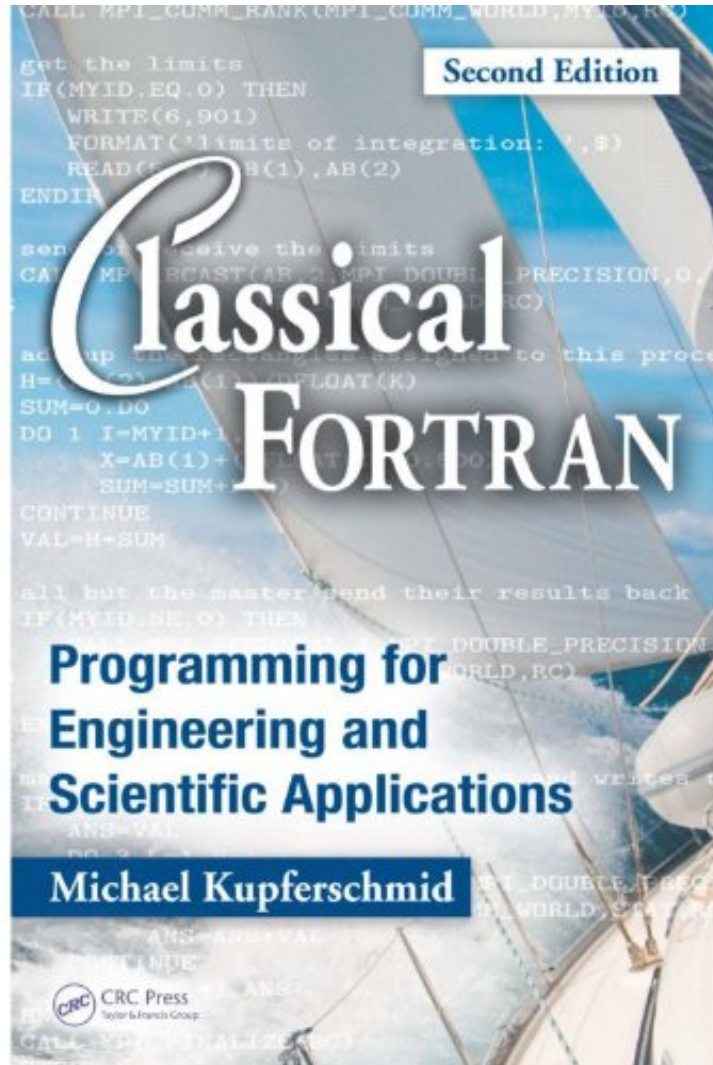


# Classical Fortran: Programming for Engineering and Scientific Applications, Second Edition

Von Michael Kupferschmid

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Von Michael Kupferschmid : Classical Fortran: Programming for Engineering and Scientific Applications, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Classical Fortran: Programming for Engineering and Scientific Applications, Second Edition:

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Beispielhafte Einfuehrung in FORTRANVon Ein Kunde"Classical Fortran" ist eine sehr gute, umfassende und auch fuer weniger begabte/erfahrene Programmierer verstaendliche Einfuehrung in FORTRAN. Anhand von einfach

nachvollziehbaren Beispielen werden Schritt fuer Schritt die Elemente und Konventionen der Sprache beschrieben. Auch auf das Compiling und Linking unter UNIX-Betriebssystemen wird eingegangen. Dabei beschaenkt sich Kupferschmid auf eine Untermenge des FORTRAN77-Standards, so dass Inkompatibilitaeten mit anderen FORTRAN-Standards und anderen Plattformen minimal sein duerften. Wer sich schon einmal mit der Wissensvermittlung an amerikanischen Universitaeten befasst hat, kann sich vorstellen, dass dieses Buch, welches aus einer entsprechenden Lehrtaetigkeit heraus motiviert wurde, sehr gut verstaendlich sein duerfte.

Kurzbeschreibung Classical FORTRAN: Programming for Engineering and Scientific Applications, Second Edition teaches how to write programs in the Classical dialect of FORTRAN, the original and still most widely recognized language for numerical computing. This edition retains the conversational style of the original, along with its simple, carefully chosen subset language and its focus on floating-point calculations. New to the Second Edition Additional case study on file I/O More about CPU timing on Pentium processors More about the g77 compiler and Linux With numerous updates and revisions throughout, this second edition continues to use case studies and examples to introduce the language elements and design skills needed to write graceful, correct, and efficient programs for real engineering and scientific applications. After reading this book, students will know what statements to use and where as well as why to avoid the others, helping them become expert FORTRAN programmers. Kurzbeschreibung Classical FORTRAN: Programming for Engineering and Scientific Applications, Second Edition teaches how to write programs in the Classical dialect of FORTRAN, the original and still most widely recognized language for numerical computing. This edition retains the conversational style of the original, along with its simple, carefully chosen subset language and its focus on floating-point calculations. New to the Second Edition Additional case study on file I/O More about CPU timing on Pentium processors More about the g77 compiler and Linux With numerous updates and revisions throughout, this second edition continues to use case studies and examples to introduce the language elements and design skills needed to write graceful, correct, and efficient programs for real engineering and scientific applications. After reading this book, students will know what statements to use and where as well as why to avoid the others, helping them become expert FORTRAN programmers. Synopsis "Classical FORTRAN" is a college text, self-study guide, and reference about computer programming for numerical calculations. The book features a conversational, classroom-proven style that is easy to read and contains numerous case studies and examples. The author provides practical advice on program design, documentation, and coding style and unusually detailed coverage of floating-point arithmetic. He thoroughly discusses performance measurement and optimization and introduces parallel processing using MPI, FORTRAN-90, High Performance FORTRAN, and vector processing. The author also gives expert advice on dealing with troublesome legacy codes.