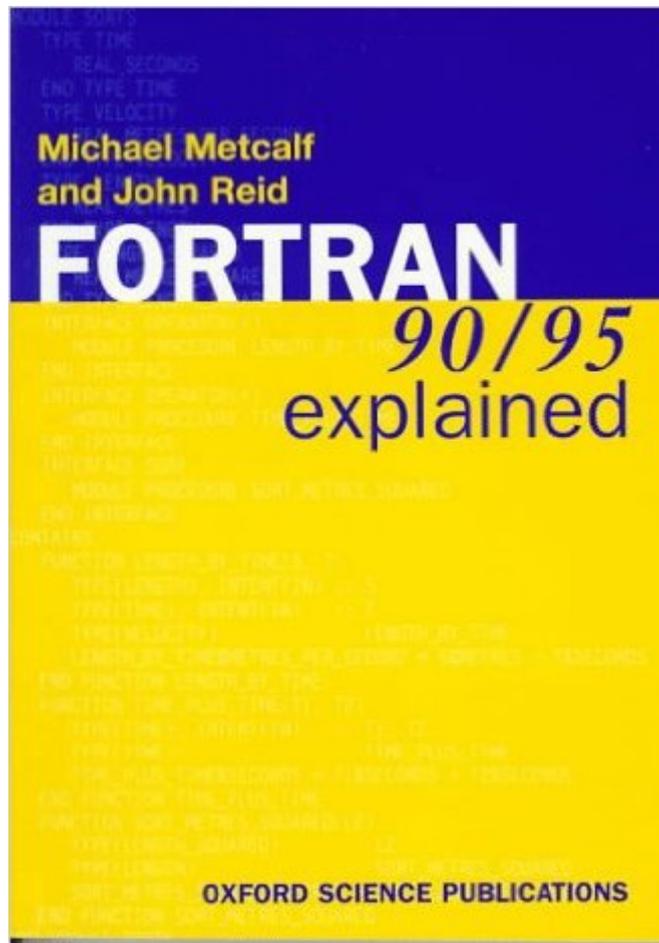


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Fortran 90/95 Explained



Synopsis

The success of Fortran as the predominant programming language in the field of scientific and numerical computing is due, in part, to its steady evolution. Following the publication of standards in 1966 and 1978, the committee responsible for their development, X3J3, worked in conjunction with an ISO committee to develop a standard suitable for use in the 1990's and beyond. This standard, ISO Fortran 90, contained new features for large-scale computing and data abstraction, but still retained all the old familiar features. Fortran 90/95 Explained is a thorough examination of Fortran in 1995. It represents a complete revision of the original 1990 text Fortran 90 Explained, in particular a more detailed explanation of many features, more examples, and new appendices. One completely new chapter discusses Fortran 95, a revision of the ISO Fortran 90 standard based on the interpretations that have been requested following its implementation and use. In addition, new features to keep ISO Fortran aligned with High Performance Fortran have been added, along with a number of minor improvements. All of these are fully described for programmers wanting to update their skills.

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Customer Reviews

On the first edition: "The book is well designed and written in a clear and understandable language. It is recommended for people working in technical fields in FORTRAN environments who need a tutorial as well as a detailed language reference." --Zentralblatt für Mathematik und ihre Grenzgebiete"Both authors are eminent scientists in the field of scientific computing and their

experience shines through every page and every example." --Mathematics Today --This text refers to an out of print or unavailable edition of this title.

Michael Metcalf worked for many years at CERN, Geneva. He is the author of a range of publications, including the books *The Fortran programming language* and *Effective Fortran 77* (Oxford University Press), and *FORTRAN Optimization* (Academic Press). He was the Editor of the Fortran 90 standard. Professor Michael Metcalf, Karntner Ring 10 1010 Vienna Austria Tel: 0043 1503 7940
John Reid is an independent contractor and is well known as a numerical analyst: he is a co-author of *Direct methods for sparse matrices* (Oxford University Press). He served as Secretary of X3J3 and played a leading role in the development of Fortran 90, Fortran 95, and the exception-handling extensions. Professor J.K. Reid Computing and Information Systems Dept Rutherford Appleton Laboratory Chilton Oxon OX11 0QX --This text refers to an out of print or unavailable edition of this title.

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