

## Modern Fortran Explained

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~~ARCHER Virtual Tutorial: Modern Fortran~~~~ARCHER Webinar: 190626 Modern Fortran~~ *Modern Fortran, with emphasis on coarrays (John Reid, JKR Associates/Rutherford Appleton Laboratory)*

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Modern Fortran looks to be a fantastic language for Scientists and Engineers solving applied math and physics problems. It is very math oriented, unlike C/C++ which is geared more for non applied math algorithms. But, it is a slow slog to get into without a good reference. I'm going to try the Jeanne Adams, et al, Fortran 2003 Handbook.

~~Modern Fortran Explained (Numerical Mathematics and ...~~

Modern Fortran Explained Incorporating Fortran 2018. Fifth Edition. Michael Metcalf, John Reid, and Malcolm Cohen Numerical Mathematics and Scientific Computation. Authors on the committee that oversees the Fortran standard; Covers the entire language; Authoritative and reliable research resource

~~Modern Fortran Explained - Hardcover - Michael Metcalf ...~~

This edition of Modern Fortran Explained expands on the last. Given the release of updated versions of Fortran compilers, the separate descriptions of Fortran 2003 and Fortran 2008 have been incorporated into the main text, which thereby becomes a unified description of the full Fortran 2008 version of the language.

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Fortran remains one of the principal programming languages used in high-performance scientific, numerical, and engineering computing.

~~Modern Fortran Explained by Michael Metcalf~~

Modern Fortran Explained Book Description : Fortran marches on, remaining one of the principal programming languages used in high-performance scientific, numerical, and engineering computing. A series of significant revisions to the standard versions of the language have progressively enhanced its capabilities, and the latest standard - Fortran 2018 - includes many additions and improvements.

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Modern Fortran explained: incorporating Fortran 2018 Cohen, Malcolm, Metcalf, Michael, Reid, John Ker Fortran is the principle language used in the fields of scientific, numerical and engineering programming. This latest edition reflects the continual revisions that the programme has undergone in order to meet industrial and academic demands.

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Modern Fortran Explained expands on its predecessor, Fortran 95/2003 Explained. The opening chapters contain a complete description of Fortran 95, extended by Fortran 2003 allocatable array...

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Modern Fortran looks to be a fantastic language for Scientists and Engineers solving applied math and physics problems. It is very math oriented, unlike C/C++ which is geared more for non applied math algorithms. But, it is a slow slog to get into without a good reference. I'm going to try the Jeanne Adams, et al, Fortran 2003 Handbook.

~~Amazon.com: Modern Fortran Explained (Numerical ...~~

Modern Fortran Explained expands on its predecessor, Fortran 95/2003 Explained. The opening chapters contain a complete description of Fortran 95, extended by Fortran 2003 allocatable array features. Coverage of the other additional features of Fortran 2003 follows, before new chapters on coarrays and the many other enhancements of Fortran 2008.

~~Modern Fortran Explained — Michael Metcalf; John Reid ...~~

I am unable to get the "classic" list example in Modern Fortran Explained - Michael Metcalf, John Reid and Malcolm Cohen, Oxford University Press, 2011, ISBN 978-0199601417 to work with Intel Fortran; both compiler version 14 or 2015 Beta are able to compile the code ok, but encounter run-time errors as follows: The initial list has 0 items.

~~Object oriented list example in "Modern Fortran Explained ...~~

A series of significant revisions to the standard versions of the language have progressively enhanced its capabilities and the latest standard, Fortran 2008, includes many modern features, such as object orientation, coarrays for parallel programming, interoperability with C and various other enhancements.

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Modern Fortran Explained: Incorporating Fortran 2018, Edition 5. Fortran marches on, remaining one of the principal programming languages used in high-performance scientific, numerical, and...

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Modern Fortran Explained Incorporating Fortran 2018 5th Edition by Michael Metcalf; John Reid; Malcolm Cohen and Publisher OUP Oxford. Save up to 80% by choosing the eTextbook option for ISBN: 9780192539878, 0192539876. The print version of this textbook is ISBN: 9780198811886, 0198811888.

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Easy examples of scientific computing with modern, powerful, easy Fortran 2018 standard. Fortran 2018 began as the TS18508 extension, formerly known as Fortran 2015. Modern Fortran benefits from modern CMake, which supports Fortran features such as. submodule.

~~GitHub — scivision/fortran2018 examples: Fortran 2018 ...~~

Tutorials on Fortran in general. ZEN of Fortran: A Path to discover Modern Fortran by Stefano Zaghi; Ten minutes to Setup Modern Fortran 2003/2008 with CB IDE on Windows; Links to many tutorials; List of Fortran 90/95 tutorials at the Open Directory; Introduction to Advanced Fortran; Fortran 95 language features by Michael Metcalf.