Modern Fortran Explained

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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
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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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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.

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