Fortran 90 Resource List

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1 Books (September 1, 1997)

There are a number of books of varying quality:

- Adams, J., Brainerd, W., Martin, J. and Smith, *Fortran Top 90-Ninety Key Features of Fortran 90* Unicomp, 1994, ISBN 0-9640135-0-9
- Adams, J., Brainerd, W., Martin, J., Smith, and Wagener, J., *Fortran 90 Handbook*, McGraw-Hill, 1992. ISBN 0-07-000406-4
- Brainerd, W., Goldberg, and Adams, J., *Programmer's guide to Fortran 90*, 2nd edition, Unicomp, 1994. ISBN 0-07-000248-7
- Chamberland, *Fortran 90, A Reference Guide*, Prentice Hall PTR, 1995, ISBN 0-13-397332-8
- Chivers, I. and Sleightholme, J., *Introducing Fortran 90*, Springer-Verlag London, 1995, ISBN 3-540-19940-3
- Counihan, M., *Fortran 90*, Pitman, 1991. ISBN 0-273-03073-6
- Ellis, T.M.R., Philips, I.R. and Lahey, T.M., *Fortran 90 Programming*, Addison-Wesley, 1994. ISBN 0-201-54446-6
- Gehrke, *Fortran 90 Language Guide*, Springer, London, 1995, ISBN 3-540-19926-8
- Gehrke, *Fortran 95 Language Guide*, Springer, London, 1995, ISBN 3-540-76062-8
- Hahn, B.D. *Fortran 90 for Scientists and Engineers*, Edward Arnold, 1994. ISBN 0-340-60034-9
- Kerrigan, J. *Migrating to Fortran 90*, O'Reilly and Associates, 1993 ISBN 1-56592-049-X
- Mayo, W.E. and Cwiakala, M., *Schaum's Outline of Theory and Praxis – Programming in Fortran 90* Mc Graw Hill 1995, ISBN 0 - 07 - 041156 - 5
- Meissner, L., *Essential Fortran 90 and 95*, Unicomp, 1997. ISBN 0-9640135-3-3.
- Meissner, L., *Fortran 90*, PWS Kent, Boston, 1995, ISBN 0-534-93372-6
- Metcalf, M. and Reid, J. *Fortran 90 Explained*, Oxford University Press, 1992. ISBN 0-19-853772-7
- Metcalf, M. and Reid, J. *Fortran 95 Explained*, Oxford University Press, 1996. ISBN 0-19-851888-8
- Morgan, J.S. and Schonfelder, J.L., *Programming in Fortran 90*, Alfred Waller, 1993. ISBN 0-632028-38-6

- Nyhoff and Leestma, *Fortran 90 for Engineers and Scientists* Prentice Hall, 1996, ISBN 0-13-519729-5.
- Ortega, *Introduction to Fortran 90 for Scientific Computing*, Saunders College Publishing, 1994, ISBN 0-030010198-0
- Press, Teukolsky, Vetterling and Flannery, *Numerical Recipes in Fortran 90*, Cabridge University Press, 1996. ISBN 0-521-57439-0.
- Redwine *Upgrading to Fortran 90*, Springer-Verlag, New York, 1995, ISBN 0-387-97995-6
- Schick and Silverman *Fortran 90 and Engineering Computation*, John Wiley, 1994, ISBN 0-471-58512-2
- Smith, I.M., *Programming in Fortran 90*, Wiley, ISBN 0471-94185-9
- Vowels, R. *Introduction to Fortran 90/95, Algorithms, and Structured Programming*, ISBN 9596384-8-2
- David R. Wille, D.R., *Advanced Scientific Fortran*, John Wiley and Sons Ltd, Chichester. ISBN 0-471-95383-0

I would recommend the book by Ellis, Phillips and Lahey, however, I haven't had chance to see most of the books.

There is also a book about the new *de-facto* standard called High Performance Fortran.

- Koelbel, C., Loveman, D., Schreiber, R., Steele, G. and Zosel, M. *The High Performance Fortran Handbook,* The MIT Press, 1994. ISBN 0-262-61094-9

2 Fortran 90Journals

There are currently only two Journals dedicated to Fortran 90:

2.1 Fortran Journal

Fortran Journal. ISSN 1060-0221

Enquiries: Walt Brainerd `walt@netcom.com`

Subscriptions: Fortran Users Group / P.O. Box 4201 / Fullerton, CA 92634 (about $30/year individual, $100/year company, $50/$150 outside the USA, call 1 (714) 441 2022)

2.2 Fortran Forum

Fortran Forum. ISSN .... Edited by Loren Meissner.

3 Web Sites

The URL's given below may be of interest to the Fortran 90 programmer, most other Web sites are reachable via the following:

3.1 Fortran Market — USA

Collates most of the existing Web information regarding Fortran 90. The pages include books, free software, articles, the Fortran FAQ, tutorials and links to sites.

The URL is

`http://www.fortran.com/fortran/market.html`

3.2 Numerical Algorithms Group —UK

Another comprehensive server, contains a similar but less comprehensive collection as the Fortran Market.

The URL is

`http://www.nag.co.uk/`

3.3 Computational Science Project at Oak Ridge National Laboratory

The results of a comprehensive study into Fortran 90 and Computational Science can be found at:

`http://csep1.phy.ornl.gov/csep.html`

4 Fortran SIG

There are two main Special Interest Groups, one active on Internet and the other on Usenet.

4.1 comp-fortran-90

This Internet based Email group covers many aspects of Fortran, announcement of products, call for papers and simple programming discussions. Send an Email with:

`join comp-fortran-90` *firstname lastname*

as the body of the letter to

`comp-fortran-90@mailbase.ac.uk`.

4.2 comp.lang.fortran

The Usenet based group `comp.lang.fortran` can be accessed on a Unix system via a suitable news reader such as `xrn` or `tin`.

5 Fortran 90 Frequently Asked Questions (FAQ)

There are two Fortran 90 FAQ's.

5.1 Michel Olagnon's FAQ

The current updated version of this FAQ is available as

`ftp://ftp.ifremer.fr/pub/ifremer/fortran90/engfaq.`

5.2 Keith Bierman's FAQ

The FAQ of the Usenet may be obtained, like any FAQ, via anonymous ftp from `rtfm.mit.edu`, directory `/pub/usenet`.

It is also available on the Web at URL:

`http://www.cis.ohio-state.edu/hypertext/faq/usenet/fortran-faq/faq.html`