Appendix B

WWW-resources

The book would not be complete without some mention of numerical analysis software and software repositories on the World Wide Web.

An excellent source of mathematical software is the Netlib Repository on the website

`http://www.netlib.org`

A detailed classified list of the available mathematical software libraries can be viewed by clicking on the `Browse` button on this webpage. It is also possible to search the repository for a specific piece of software.

Another useful resource is the website of the *ACM Transactions on Mathematical Software* (TOMS) at

`http://math.nist.gov/toms/`

The site maintains a well-organised repository, including a range of freely available packages for both numerical and symbolical computations, as well as a number of helpful links to various software vendors. The latter include the developers of Maple (a software for symbolical and numerical computations, scientific visualisation and programming), the makers of Mathematica (a software system for symbolical, numerical and graphical computations), the Numerical Algorithms Group (NAG), MathWorks, Inc., the developers of Matlab (a technical computing environment for high-performance numerical computation and visualisation), and many others. Most of the numerical experiments included in the book were performed by using either Matlab or Maple.

Concerning the history of mathematics, we refer to the Mac Tutor history of mathematics website at St Andrews University in Scotland:

`http://www-history.mcs.st-andrews.ac.uk/history/`

A more recent site, dedicated specifically to the history of approximation theory, resides on

`http://www.cs.wisc.edu/~deboor/HAT/`

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