

<<LAPACK95用户指南>>

图书基本信息

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## <<LAPACK95用户指南>>

### 内容概要

lapack95 is a fortran 95 interface to the fortran 77 lapack library. it is relevant for anyone who writes in the fortran 95 language and needs reliable software for basic numerical linear algebra. it improves upon the original user-interface to the lapack package, taking advantage of the considerable simplifications that fortran 95 allows.

lapack95 users' guide provides an introduction to the design of the lapack\$ package, a detailed description of its contents, reference manuals for the leading comments of the routines, and example programs. for more information on lapackg5 go to <http://www.netlib.org/lapack95/>.

readers with a basic knowledge of lapack will find this book to be an excellent companion to the popular lapack users' guide, to which the authors frequently refer throughout this new volume.

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作者简介

作者：（美国）巴克（Barker.V.A）等

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版权页：插图：4.3 Errors and Poor Performance  
If an error occurs, the user's first thought should be that the successful use of LAPACK95 relies heavily on the proper installation of the BLAS, LAPACK, and LAPACK95 packages. As mentioned earlier, each of these includes a test suite that should be run as part of the installation process. If the error occurs during the installation process, the user should follow the advice given in Section 1.5.4. Henceforth it will be assumed that the installation process (including the running of the three test suites) was successful and that the error first occurs in an application. Here the user should:

- Reread the documentation of the driver and computational routines being used, paying particular attention to the description of the argument INFO.
- Check the installation of machine dependencies (Section 1.5.1.1).
- In the case of an LAPACK95 driver routine, try to reproduce the results of the numerical example(s) given for that routine in Part II. The user can write his own main program for this purpose or use the one provided in the EXAMPLE1 directory of the LAPACK95 distribution file. (See Section 1.5.1.)
- Consult the FAQ lists at the home pages of the BLAS, LAPACK and LAPACK95.
- Consult the release notes files at the same home pages. These files contain lists of known difficulties that have been diagnosed and corrected (or will be corrected in the next release), or reported to the vendor in the case of machine-specific BLAS.
- Report the error to the Email address in Section 1.6 with the following information. If possible: A test case, a description of the problem and expected results, and the actions, if any, that the user has already taken to fix the error.

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### 编辑推荐

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