The software you used for the second numerical lab, ARPACK, is freely available from Rice University. The driver routines you used in the lab are included in the tarfile associated with this document.

Downloading the Software

To recreate the environment for the second numerical lab, you need to download the following package:
ARPACK : http://www.caam.rice.edu/software/ARPACK/

You may find the file 'matpde.f' at the following URL. Download it and use it as described in "Installing the Software".
MATPDE : http://math.nist.gov/MatrixMarket/data/NEP/matpde/matpde.html

Installing the Software

First, install ARPACK on your system.

If you need help installing any of these packages, please contact your system administrator.

After installing the ARPACK, untar the archive associated with this file. This will create a directory structure with 'ARPACK_work' as the root. Now do the following:
1) Place the matpde.f file (from the MatrixMarket URL above) in the isis_work directory.
2) cd to /ARPACK_work and do a 'make all'.

Congratulations! You have now recreated the environment used in the second numerical lab. See the lecture notes associated with this distribution for further instructions.