

Computing in the Math Sciences Department

The Math Sciences computing support website can be found at <http://support.math.cmu.edu/>. For any computer-related task please start there.

There are three layers of computing facilities available to faculty and graduate students:

1. Andrew computing environment maintained by CMU Computing Services offer:

- the andrew login ID,
- andrew email (IMAP/smtp and webmail) via webmail.andrew.cmu.edu,
- university licensed software downloads via <http://www.cmu.edu/myandrew/>,
- network registration of private and lab computers via <http://netreg.net.cmu.edu/>,
- and a set of other facilities (e.g. spam filtering, web authoring, licensing).

For support of andrew services, please contact the CS support group at phone 8-HELP or e-mail advisor@andrew.cmu.edu.

2. Departmental computing environment consists in a set of clusters, desktops, and printers maintained by the department. Departmental support can be obtained by sending email to help@math.cmu.edu or go to room 6218. To use most of the departmental facilities, an account can be obtained upon request from room 6108. The most important components of the departmental computing facilities are:

a. the cluster in room 6120; the computers in this cluster, named qwe1-qwe8.math.cmu.edu, offer easy access to:

- most scientific and office applications,
- printing and scanning,
- a departmental email address username@math.cmu.edu which can be filtered and managed locally by the user,
- a personal website <http://www.math.cmu.edu/~username/> showing the files in the public directory on the cluster.

b. a separate cluster containing the nodes fp80-fp87.math.cmu.edu that can be used for parallel programming and running scientific simulations; the node fpg1.math.cmu.edu can be used for GPU programming using CUDA; the node fp48.math.cmu.edu can be used for high memory jobs; the access to the parallel cluster is made via ssh using the departmental account.

c. b/w and color printing to the printers in the cluster room (code, heavycolor) and lounges at 7-th (jet7) and 8-th floors (jet8); every printer is labeled with the printing queues and its network configuration; typically a printer is associated with three queues for printing single sided or duplex; these printers can be used as well from the office computers.

d. computing education classes; every spring semester you're invited to attend "21-765. Introduction to Parallel Computing and Scientific Computation"; please see Florin in room 6218 for more details, or go to <http://www.math.cmu.edu/~florin/M21-765/>.

3. Office and lab computers are typically serviced by the departmental support group as well; in certain cases these computers use a private set of accounts, local to the group owning the computer; the access to these computers and printers is restricted to the group owning them or to the occupants of the office.