

Physics Department Computing Facility

Questions/Comments: email them to help@physics.cornell.edu

Information/Updates: <http://computing.physics.cornell.edu>

Current System Administrator: Ivan Daykov, Clark 642, 255-6311

Office Hours: Monday 17:15-18:15, Clark 642

1 Obtaining an account

See Ivan Daykov during office hours, or email help@physics.cornell.edu.

Emergency/Hardware catastrophes: 351-4271 (cell phone of sysadmin).

2 Access

Local: any workstation in B3/B6

Remote: `ssh username@remote.physics.cornell.edu`

(from Windows use the free PuTTY, TTSSH, or any other program)

Note: For security reasons telnet and ftp protocols are not available!

Password Changes: `yppasswd` on a command prompt

3 Remote file transfer

Linux: `sftp` works like the insecure `ftp`

```
scp -C local_file remote_login@remote_machine.domain:remote_file
```

```
scp -C remote_login@remote_machine.domain:remote_file local_file
```

`gftp` (GUI)

Windows: The free `pscp.exe` works like `scp` on Linux.

`wsftp` (GUI)

4 E-mail

Your e-mail address is `username@physics.cornell.edu`

Terminal mailer: `mutt` (can be configured to match pine)

GUI mailer: `evolution`

To forward your mail update the file `.forward` in your home directory.

5 Web Access

Choose your favorite browser among:

`mozilla-firefox`, `galeon`, `mozilla`, `konqueror`, `lynx`

6 Editors

`openoffice/writer`, `emacs/jed`, `kword` (and the rest of KOffice), `nano`, `vi`

7 Spreadsheets/presentations

`openoffice/{calc,impress}`, `koffice`

8 L^AT_EX

The most powerful and accessible typesetting system - great for, scientific publications, PHYS-510 reports, quizzes, letters, CV's, homeworks, and virtually any document that you would like to look good. Check out the model 510 report on the website.

9 Computation

`octave` (numeric - matlab's syntax), `maxima` (symbolic - maple's syntax)

10 Visualization

`dx` (yes! Data Explorer), `grace`, `ghemical`, `scigraphica`

11 Graphics

`gimp`, `xfig`, `openoffice/draw`, `koffice`, etc.

12 Programming

`gcc`, `g++`, `g77`: versions 2.95, 3.0, 3.1, 3.2, 3.3 `ruby`, `python`