

Some useful computer-related information.

- Please send your questions via email to `consult@math.toronto.edu` if they are of a general nature or to `requests@math.toronto.edu` if they are systems related.
- Useful URLs
 1. <http://www.math.toronto.edu/> (the departmental homepage)
 2. <http://itstatus.math.toronto.edu/home/> (the **IT Status** blog; best place for up-to-date computer system information)
 3. <http://www.math.toronto.edu/cms/computing/> (a **Computing** help page)
 4. <http://www.math.toronto.edu/cms/contact-user-support/> (the **Contact User Support** page)
- The **Computing** help page has a number of useful links providing information on various topics including:
 1. IT Status Blog
 2. Webmail
 3. Email and Spam Filtering
 4. Secure Shell Information
 5. Wireless Networking
 6. New User Computer Handout
 7. Printing Help
 8. Setting Up An Automatic Email Reply Message
 9. Using Firefox
 10. Creating A Web Page
 11. Quotas
 12. Available Departmental Software
 13. Information about running large jobs on our machines

The following is a list of some of the mathematics-related software that is available on the departmental servers.

- `mathematica` or `math` version 10.0 on *sphere*
- `matlab` version 8.5.0.197613 (R2015a) on *sphere*
- `M2` (*Macaulay2*) version 1.3.1 on *sphere*
- `gp` (*pari-gp*) version 2.3.5 on *sphere*
- `sage` version 6.3 on *sphere*
- `xmaple` or `maple` version 11 on *nsphere1*
- `gcc` (*C compiler*)
- `g++` (*C++ compiler*)
- `gfortran` and `g77` (*Fortran compiler*)
- Mathematical typesetting with `TEX`, `LATEX`, `AMS-TEX` and `AMS-LATEX`

is available on *coxeter* (via `pdftex`, `pdflatex`, `amstex`, `tex`, and `latex`). We also have `METAFONT` for generating new fonts, `xdvi` and `dvi` for previewing `dvi` output, and `okular` and `acroread` for previewing PDF output, on X-terminals.

- `Print` is the simplified front end for printing *PostScript*, *PDF*, *dvi*, and *ascii* documents on *lw2*, the Xerox Phaser 5550DN laser printer in BA6290A and on *lw3*, the Xerox Phaser 5550DN laser printer in BA6200.

- The printers support two-sided (also known as duplex) printing.

- Microsoft Word, Excel, and PowerPoint documents can be edited and printed (if they are not too arcane) with the *LibreOffice* software `libreoffice`.

- Type `Print` by itself to get documentation about the many options that it supports. Type `Print -d file` to preview on an X-terminal what will be sent to the printer if you run `Print file`.

- Email to the Internet is supported by our mail server which allows read access either via encrypted webmail at <https://mail.math.toronto.edu/> or via encrypted IMAP (port 143 using STARTTLS). Use of encrypted POP to access email is deprecated. `pine` is a command-line oriented mail client that can handle encrypted IMAP and it is relatively simple, but a modern GUI client, such as `thunderbird` on *coxeter* may be more intuitive.

- The server `smtp.math.toronto.edu` can be used for outgoing email if you use a secure authenticated TLS connection to the message submission port (port 587 using STARTTLS).

- Version ESR 38.6.1 of `firefox` is currently available on *coxeter* for accessing the Web. `firefox` only runs on X-terminals, but `lynx` is also available and will run on ASCII terminals.