

%% file: linux-brief-manual.txt = unix basics for micro\$oft windies
%% last: Apr 6 2021 Rob Rutten Deil

BRIEF LINUX MANUAL FOR WINDIE STUDENTS

Robert J. Rutten

Lingezicht Astrophysics
Institutt for Teoretisk Astrofysikk Oslo

This very brief unix/linux tutorial was initially written for operating-system-challenged DOT students ("windie dotties"):

http://robrutten.nl/Students_to_the_DOT_program.html

I also have Ubuntu installation recipes at

http://robrutten.nl/Recipes_Ubuntu.html

and some unix/linux recipes at

http://robrutten.nl/Recipes_linux_unix.html

See also:

<http://www.cita.utoronto.ca/~matzner/svc/resources.html>

<http://www.unixguide.net/linux/linuxshortcuts.shtml>

directories

```
mkdir somename # make new subdir
cd somename
pwd # print working directory
cd .. # go one back up; one . means "this directory"
cd # go to top = your "root" = ~/.
cd ~rutten # go to my root ("home") directory
chmod 644 file # open file for reading by others
chmod 755 dir # make directory accessible for others
ls # list directory content
ls -l # more info
ls -aF # list also system files starting with a .
cp file dir/. # copy file into other directory
cp -upr dir path # copy dir with all in and under to other location
mv filea fileb # mv = move, to another dir or rename
rm file # rm = remove = delete
rm -rf dir # delete dir with everything in and under it
```

scripts

```
#!/bin/csh # first line of a script (shell eg csh, bash, etc)
cd ~/bin # directory to put executable scripts in
```

```
chmod 755 script # make script executable, also by others
rehash          # activate new scripts

file copy to or from remote computer
scp user@venus.phys.uu.nl:/home/students/user/file .
    # copy file from there to here
    ## first time: say yes at authentication question

scp file user@venus.phys.uu.nl:/home/students/user/.
    # copy file from here to there

scp -r user@venus.phys.uu.nl:/home/students/user/dir .
    # copy dir with all in it / under it from there to here

remote session
ssh -X user@venus.phys.uu.nl    # open remote session with X windows

get a paper
ADS: http://adsabs.harvard.edu/default\_service.html
get ADS paper via institute licenses: adapt my ADS script getads
```