

Searching For and Inside Files (find, grep)

The command `find` is used to find files with various attributes. It has many options. This makes it somewhat awkward for just searching for a file by name. For example, the command

```
[crayon-6684e6c4e7343641404096/]
```

finds all the files in the current directory and any directories below that have a name which ends in `.tex` and then prints the result of the search at the terminal.

The program `grep` looks inside files for specified text. For example,

```
[crayon-6684e6c4e734b634700656/]
```

will search the file `paper.tex` for any occurrences of the text `Diophantine` and then then print those lines at the terminal. If you are searching in more than one file as in `grep Diophantine *.tex` it will print the name of the file in which the line was found.