

## Patching your version of PGE

- you might want to install a patch to your version of PGE
  - this patch fixes a bug found when two circles collide at exactly the same time
- to install this bug fix use the following commands

```
$ cd into your top level pge directory
$ wget http://floppsie.comp.glam.ac.uk/download/pge/pge-feb28.diff
$ wget http://floppsie.comp.glam.ac.uk/download/pge/pge-march01.diff
$ wget http://floppsie.comp.glam.ac.uk/download/pge/localrun.sh.in
$ patch -p1 < pge-feb28.diff
$ patch -p1 < pge-march01.diff
```

- notice the presence of `localrun.sh` this will appear in your build directory (after you have configured and compiled PGE)

## Patching your version of PGE

- `localrun.sh` can be used to run your Python code (`frozenbubble.py`) and will ensure that you pick up your local version of PGE rather than the system copy
- to build PGE please examine [previous notes](#) (25.html)