Important: Please do all assignments on `admiral`

Image restoration

1. Implement the following filters and test them on the white bars image in problem 5.1 in the textbook as well as the backyard images in the class directory on admiral.

   (a) Arithmetic mean filter

   (b) Geometric mean filter

   (c) Harmonic mean filter

   (d) Contraharmonic mean filter

   (e) Median filter

   (f) Max filter

   (g) Min filter

   (h) Midpoint filter

   (i) Adaptive local noise reduction filter

   (j) Adaptive mean filter

What to handin

Handin an electronic copy of all the sources, README, Makefile(s), and results. Create your programs in a directory called *username*.1 where *username* is your login name on admiral. Once you are done with everything, *remove the executables and object files*, and issue the following commands:

```
% cd
% ~bhatias/bin/handin cs6420 1
```