COMP 4900D: Assignment 2
Due: Tuesday, Feb. 28, 2006

The eigenvalue-based corner detector has already been implemented in OpenCV.
This assignment requires you to re-implement it using the basic building
blocks in the OpenCV and Ch library and experiment with different parameters. This
will serve as an exercise to get yourself familiar with the library and basic operations
on images. The following steps are recommended.

1. Write a program to implement the eigenvalued-based corner detector. You may
   use the template written by Rossen and plug in your functions. Check the course
   webpage for this template and other sample code.

2. Use HighGUI to load and display images as well as interactively changing the
   threshold for the corner strength. Draw marks (e.g. crosses) at corner locations.

Hint: use the code in the sample/c/edge.c as an example of how to use the
HighGUI. The documentation of the corner detector and related functions is in
doc/ref/opencvref_cv.htm. The documentation for drawing tools is in
doc/ref/opencvref_cxcore.htm under "Drawing Functions".

Submit your code through Carleton's Raven System.