1. **Stereo** (10) Given the stereo pair of two (scan-line aligned images), compute the disparity map of the stereo pair. Use SSD as a patch similarity measure with a fixed window of your choice. Post the code and resulting color coded disparity map and comment on the quality of your results. In case you decide to do this in Matlab you can reduce the resolution of the image by factor of 2 to speed things up. Try your algorithm on two image pairs provided below and comment on the choice of parameters and the resulting disparity maps.

The image pair sttsukuba_l.png and tsukuba_r.png and 006567R.png and 006567L.png found at http://cs.gmu.edu/~kosecka/cs685/code/.

Use `im = imread('tsukuba_l.png')` to read the image and `rgb2gray(im)` to convert the image to gray level image.