Assignment 4

$$S_E = ||F(p1) - F(p2)||_2$$

Where F is function which gives patch.

Equation use for feature matching:
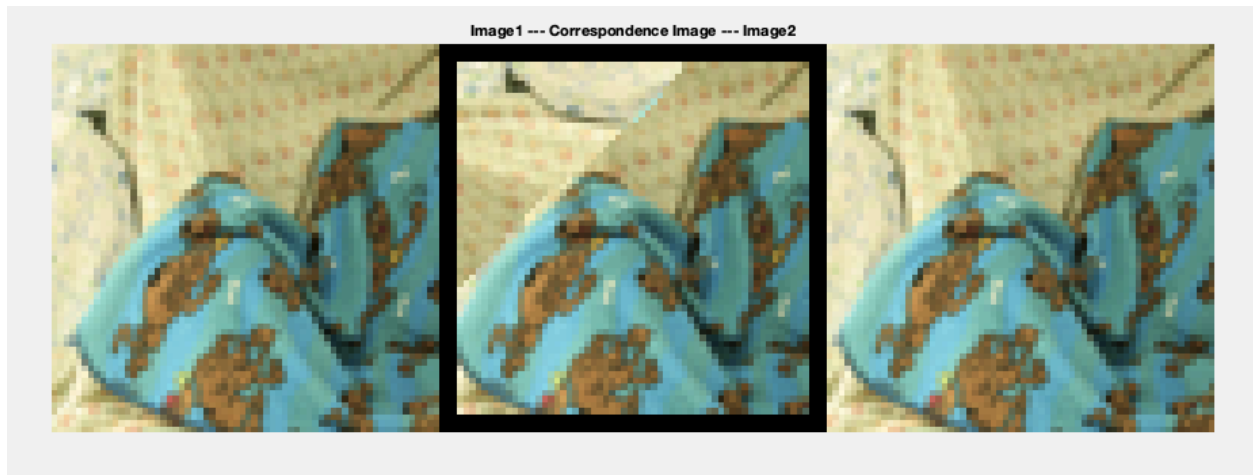
$$d(p1,p2) = d(f_{shift1}, f_{shift2}) + \lambda(f_{av\_lab1}, f_{av\_lab2})$$

Where (f_{shift1}, f_{shift2}) feature by vl_dsift of patch1 and patch2 respectively and $(f_{av\_lab1}, f_{av\_lab2})$ is average l, a, and b value of patch 1 and patch2.

Where $\lambda = 0.35$, binSize = 8 , magnif = 3 ,half_patch_size = 3;
% patch size = (2 * half_patch_size) + 1

Result1

Image 1 —- Correspondence image —- Image2

Image1 --- Correspondence Image --- Image2

Result2

Image 1 —- Correspondence image —- Image2

Image1 --- Correspondence Image --- Image2

Result3

Image 1 —- Correspondence image —- Image2

Image1 --- Correspondence Image --- Image2