

2.1

I implement everything by following the assignment document. There is only one thing different that for the $\sqrt{2}/d$ and $d = \text{average length} = \frac{\sum \text{length}}{n}$, I didn't bother to multiply $\sqrt{2}$ and n , because they appear in both S_2 and S_1 and moreover H is immune to scaling since it is applied to homogeneous coordinates.

The problem of being confused with H and $\text{inv}(H)$ (in other words H_{21} and H_{12}) didn't happen to me because I ran all four example code (i.e. mosaic01 ~ 04) first and have that the function "mosaic" in mosaic03.m takes H_{21} rather than H_{12} in my mind when I did this part.

My code for this part is in the file "computeHomography.m"