CS-682 Computer Vision Deepak Kanuri(G01070295)

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I used images from what the professor provided. For the first part found lines in 0 and 90 degrees. In aother angles there was no visible result. Due to thresholding and I choe pictures that could give me nice results.

For part 2 I found the 36 bin histogram for the images, found 5 peaks and found lines on the angles of α0 ± 5◦.

For part3 called hough and probabilistic hough methods.

For part4 found the intersection points of part2 and part3. Those are the vanishing points. For part3 vanishing points, It was easily visible as their method is efficient, but my method produced lots of points with the vanishing point. I did get the vanishing point in the center.