SYNCHALLENGE WRITE-UP

I decided to keep the percentile intensity feature, but I changed the percentile to 30th instead of 50th. Then I added two features: the canny feature to analyze edges, and the hessian matrix feature to create a matrix for each pixel. I modified the canny feature’s parameters: the default low threshold and high threshold were 0.1 and 0.2, respectively, and I changed them to 0.1 and 0.4. I used the canny feature to create an edges-only image, and then created an edge counter to count the number of pixels that were part of an edge: this number of edge pixels acts as my differentiating element. I kept the original parameters for the hessian matrix feature and condensed it down to a single value to compare among images. Finally, I kept the included grey level co-occurrence matrix feature, but changed the property from ‘homogeneity’ to ‘energy’.