

November 6th, 2017

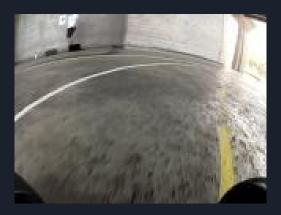
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Methods of Processing

- -Color Selection
 - -Identify yellow and white lines
- -Canny Edge Detection
 - -Finds maximum gradient change in image
- -Region of Interest Selection
- -Hough Transform Line Detection
- -Sobel Operator
- -Thresholding
- -We may need higher quality images for better processing.
- -OpenCV or PIL based on processing speed

Example

- 1. Create mask for yellow and white values
- 2. Filter out noise
- 3. Canny edge detection





Plans for the Future

- -We will be testing 3 different versions of processing
- -By next Monday, 3 of us will come up with our versions of the best combination of processes from the last slide implemented as a part within donkeycar.
- Test out our methods on all types of pictures : dark, reflective, etc.
- -Next week we will test all three methods on the track, and determine the best version.

Plans for the Future

