

# Introduction to Automotive

## Report

### Lab 8: TCS

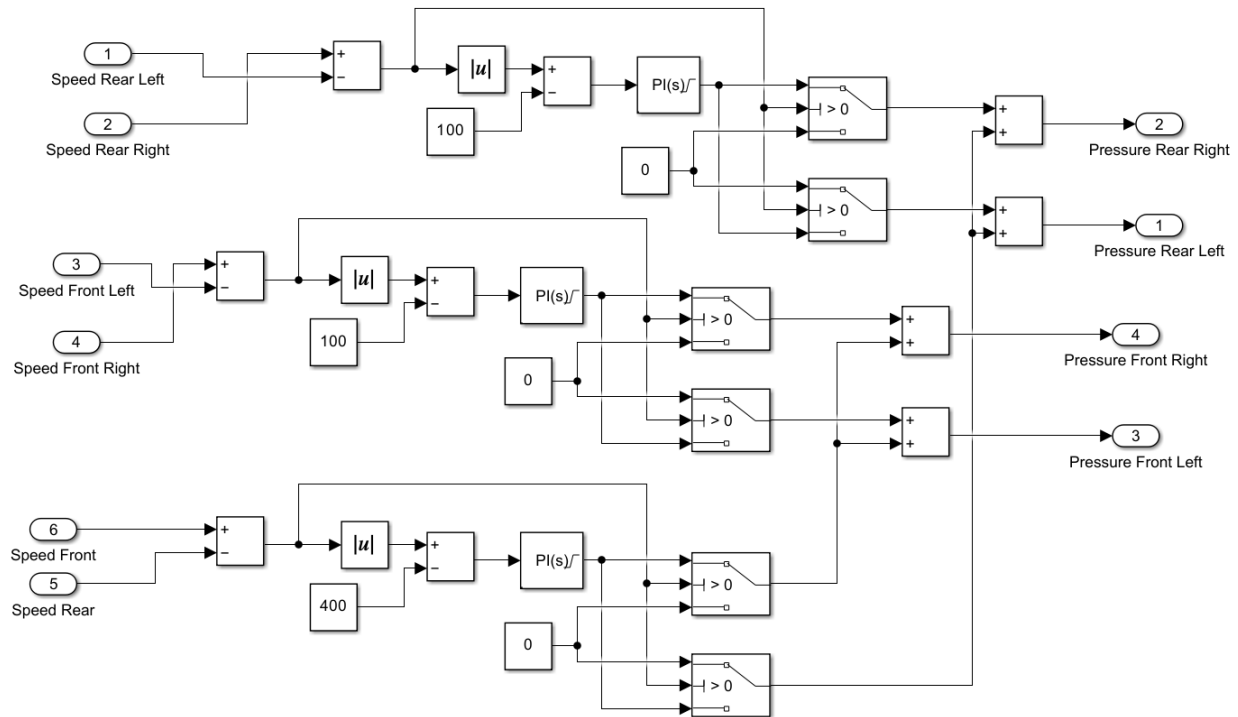
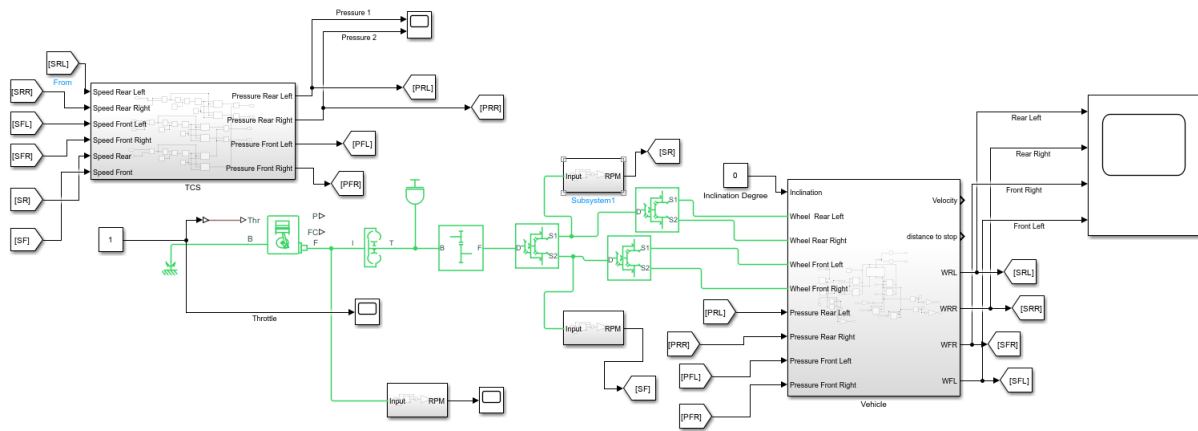


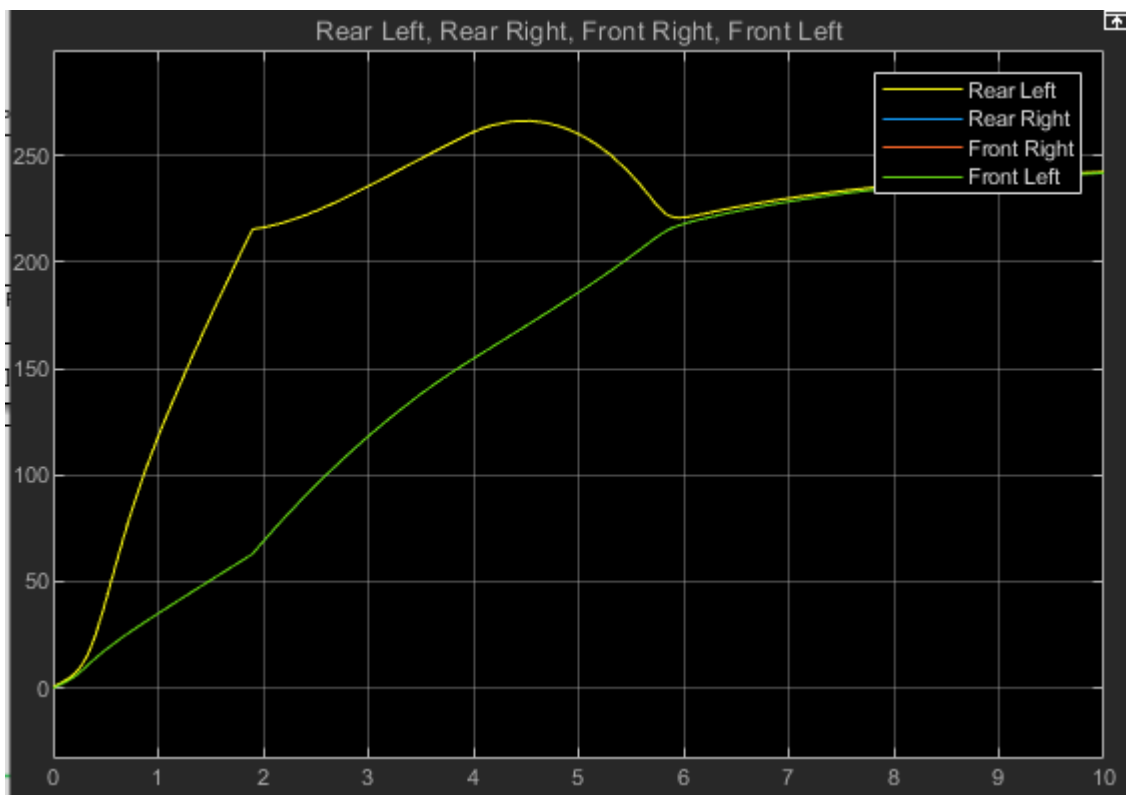
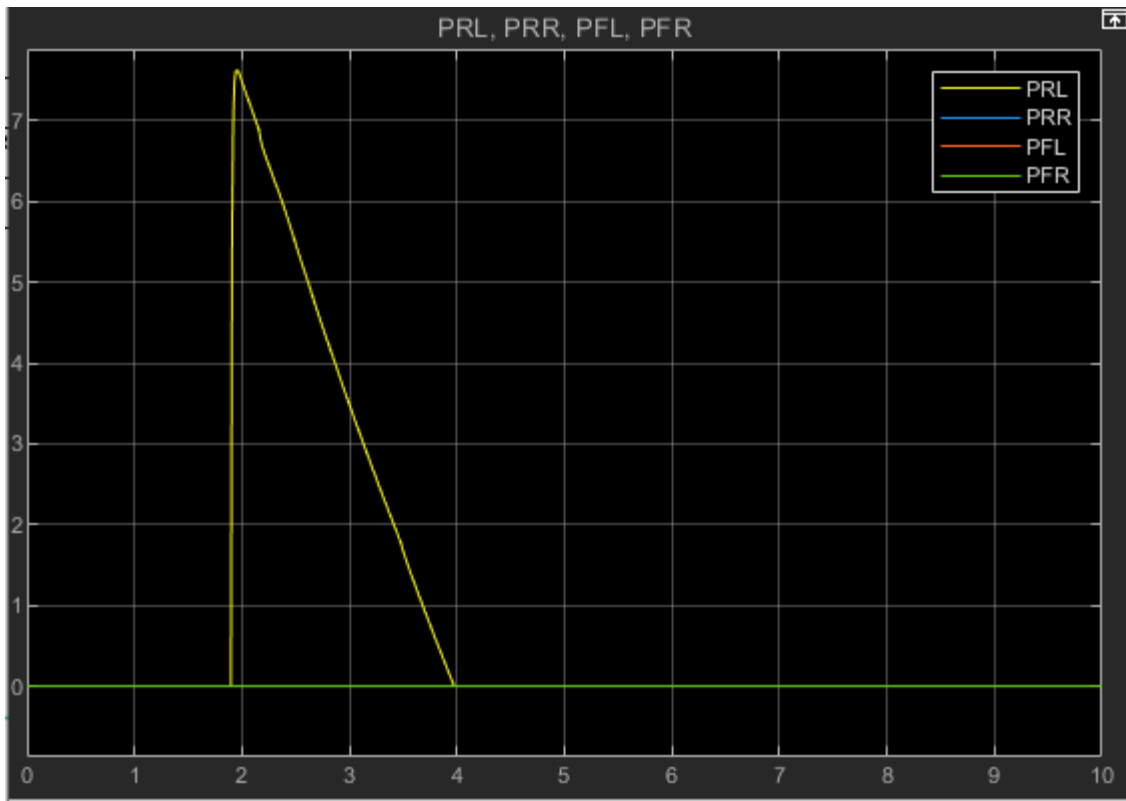
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## TCS:

The traction control system aims to decrease wheel spinning, on the road if one of the wheels coefficient of friction with respect to the road changes its speed will vary from the other wheels, the traction control system keeps the speed of this wheel almost the same as the other wheels.

## MATLAB Snippets:





## Comments:

- The coefficient of friction of one of the driving rear wheels with the road is less than the other wheels to simulate different speeds.
- The TCS intervened to lower the speed difference between the wheels by applying brake pressure on the faster wheel.