Introduction to Automotive

Report

Lab 8: TCS

A blue and white logo

Description automatically generated

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# TCS:

The traction control system aims to decrease wheel spinning, one 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.

# A diagram of a computer flowchart Description automatically generatedMATLAB Snippets:

A computer diagram of a computer

Description automatically generated with medium confidence

A graph with lines and numbers on it

Description automatically generatedA graph on a screen

Description automatically generated

# 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.