**Torque Vectoring**

List of needed sensor inputs for functioning

|  |  |  |
| --- | --- | --- |
| Description | Unit | Range |
| Steering angle | degrees | -180° - 180° |
| Vehicle longitudinal velocity | m/s |  |
| Vehicle yaw rate | rad/s |  |
| Vehicle lateral velocity | m/s |  |

**Traction control (old PID system)**

|  |  |  |
| --- | --- | --- |
| Description | Unit | Range |
| Wheel velocity (for each)\* | rad/s |  |
| Vehicle longitudinal velocity | m/s |  |
| Pedal pressure\* |  | 0-1 |
| Brake pressure\* |  | 0-1 |

Nice to have:

Not for Torque Vectoring, but for Traction Control. We would need a clean way to distinguish the wheel speed of rotation from the actual vehicle velocity, which allows for the calculation of the wheel slip.

\*not obtained from IMU