

---

## Table of Contents

.....	1
Fx plot .....	6
Fy plot .....	7
Fz plot .....	8
Velocity plot .....	9
Longitudinal Slip plot .....	10
Yaw Rate .....	11

*SkidPad* =

```
Car_CFL_rx: [1x1 struct]
Car_CFL_ry: [1x1 struct]
Car_CFL_rz: [1x1 struct]
Car_CFL_tx: [1x1 struct]
Car_CFL_ty: [1x1 struct]
Car_CFL_tz: [1x1 struct]
Car_CFR_rx: [1x1 struct]
Car_CFR_ry: [1x1 struct]
Car_CFR_rz: [1x1 struct]
Car_CFR_tx: [1x1 struct]
Car_CFR_ty: [1x1 struct]
Car_CFR_tz: [1x1 struct]
Car_CRL_rx: [1x1 struct]
Car_CRL_ry: [1x1 struct]
Car_CRL_rz: [1x1 struct]
Car_CRL_tx: [1x1 struct]
Car_CRL_ty: [1x1 struct]
Car_CRL_tz: [1x1 struct]
Car_CRR_rx: [1x1 struct]
Car_CRR_ry: [1x1 struct]
Car_CRR_rz: [1x1 struct]
Car_CRR_tx: [1x1 struct]
Car_CRR_ty: [1x1 struct]
Car_CRR_tz: [1x1 struct]
Car_Distance: [1x1 struct]
Car_Fr1_rx: [1x1 struct]
Car_Fr1_ry: [1x1 struct]
Car_Fr1_rz: [1x1 struct]
Car_Fr1_tx: [1x1 struct]
Car_Fr1_ty: [1x1 struct]
Car_Fr1_tz: [1x1 struct]
Car_FxFL: [1x1 struct]
Car_FxFR: [1x1 struct]
Car_FxRL: [1x1 struct]
Car_FxRR: [1x1 struct]
Car_FyFL: [1x1 struct]
Car_FyFR: [1x1 struct]
```

---

```
Car_FyRL: [1x1 struct]
Car_FyRR: [1x1 struct]
Car_FzFL: [1x1 struct]
Car_FzFR: [1x1 struct]
Car_FzRL: [1x1 struct]
Car_FzRR: [1x1 struct]
Car_Gen_ax_1: [1x1 struct]
Car_Gen_ay_1: [1x1 struct]
Car_Gen_vx_1: [1x1 struct]
Car_LongSlipFL: [1x1 struct]
Car_LongSlipFR: [1x1 struct]
Car_LongSlipRL: [1x1 struct]
Car_LongSlipRR: [1x1 struct]
Car_Pitch: [1x1 struct]
Car_Roll: [1x1 struct]
Car_SideSlipAngle: [1x1 struct]
Car_TrqAlignFL: [1x1 struct]
Car_TrqAlignFR: [1x1 struct]
Car_TrqAlignRL: [1x1 struct]
Car_TrqAlignRR: [1x1 struct]
Car_TrqOvertFL: [1x1 struct]
Car_TrqOvertFR: [1x1 struct]
Car_TrqOvertRL: [1x1 struct]
Car_TrqOvertRR: [1x1 struct]
Car_TrqRollFL: [1x1 struct]
Car_TrqRollFR: [1x1 struct]
Car_TrqRollRL: [1x1 struct]
Car_TrqRollRR: [1x1 struct]
Car_WFL_rot: [1x1 struct]
Car_WFR_rot: [1x1 struct]
Car_WRL_rot: [1x1 struct]
Car_WRR_rot: [1x1 struct]
Car_Yaw: [1x1 struct]
Car_YawRate: [1x1 struct]
Car_ax: [1x1 struct]
Car_ay: [1x1 struct]
Car_az: [1x1 struct]
Car_muRoadFL: [1x1 struct]
Car_muRoadFR: [1x1 struct]
Car_muRoadRL: [1x1 struct]
Car_muRoadRR: [1x1 struct]
Car_tx: [1x1 struct]
Car_ty: [1x1 struct]
Car_v: [1x1 struct]
Car_vFL: [1x1 struct]
Car_vFR: [1x1 struct]
Car_vRL: [1x1 struct]
Car_vRR: [1x1 struct]
DM_Brake: [1x1 struct]
DM_Clutch: [1x1 struct]
DM_Gas: [1x1 struct]
DM_GearNo: [1x1 struct]
DM_ManDist: [1x1 struct]
DM_ManNo: [1x1 struct]
```

---

```

        DM_Steer_Ang: [1x1 struct]
        DM_Steer_Trq: [1x1 struct]
DM_TriggerPoint_Dist: [1x1 struct]
        DM_TriggerPoint_Id: [1x1 struct]
DM_TriggerPoint_Time: [1x1 struct]
        PT_Engine_rotv: [1x1 struct]
        PT_WFL_rotv: [1x1 struct]
        PT_WFR_rotv: [1x1 struct]
        PT_WRL_rotv: [1x1 struct]
        PT_WRR_rotv: [1x1 struct]
PwrD_Tire_CambDeflFL: [1x1 struct]
PwrD_Tire_CambDeflFR: [1x1 struct]
        PwrD_Tire_LatSlipFL: [1x1 struct]
        PwrD_Tire_LatSlipFR: [1x1 struct]
        PwrD_Tire_LongSlipFL: [1x1 struct]
        PwrD_Tire_LongSlipFR: [1x1 struct]
PwrD_Tire_RollResistFL: [1x1 struct]
PwrD_Tire_RollResistFR: [1x1 struct]
        PwrD_Tire_ToeSlipFL: [1x1 struct]
        PwrD_Tire_ToeSlipFR: [1x1 struct]
        PwrD_Tire_TotalFL: [1x1 struct]
        PwrD_Tire_TotalFR: [1x1 struct]
        PwrL_Aero: [1x1 struct]
        PwrL_Brake: [1x1 struct]
        PwrL_PT: [1x1 struct]
        PwrL_Tire: [1x1 struct]
        PwrL_Total: [1x1 struct]
        PwrS_Aero: [1x1 struct]
        PwrS_Brake: [1x1 struct]
        PwrS_PT: [1x1 struct]
        PwrS_Tire: [1x1 struct]
        PwrS_Total: [1x1 struct]
        Steer_WhlAng: [1x1 struct]
        Time: [1x1 struct]
        Vhcl_Distance: [1x1 struct]
        Vhcl_Engine_rotv: [1x1 struct]
        Vhcl_FL_Fx: [1x1 struct]
        Vhcl_FL_Fy: [1x1 struct]
        Vhcl_FL_Fz: [1x1 struct]
        Vhcl_FL_LongSlip: [1x1 struct]
        Vhcl_FL_SideSlip: [1x1 struct]
        Vhcl_FL_Trq_B2WC: [1x1 struct]
        Vhcl_FL_Trq_Brake: [1x1 struct]
        Vhcl_FL_Trq_DL2WC: [1x1 struct]
        Vhcl_FL_Trq_T2W: [1x1 struct]
Vhcl_FL_Trq_WhlBearing: [1x1 struct]
        Vhcl_FL_rot: [1x1 struct]
        Vhcl_FL_rotv: [1x1 struct]
        Vhcl_FL_rx: [1x1 struct]
        Vhcl_FL_ry: [1x1 struct]
        Vhcl_FL_rz: [1x1 struct]
        Vhcl_FL_tx: [1x1 struct]
        Vhcl_FL_ty: [1x1 struct]
        Vhcl_FL_tz: [1x1 struct]

```

---

---

```
Vhcl_FL_vBelt: [1x1 struct]
  Vhcl_FR_Fx: [1x1 struct]
  Vhcl_FR_Fy: [1x1 struct]
  Vhcl_FR_Fz: [1x1 struct]
  Vhcl_FR_LongSlip: [1x1 struct]
  Vhcl_FR_SideSlip: [1x1 struct]
  Vhcl_FR_Trq_B2WC: [1x1 struct]
  Vhcl_FR_Trq_Brake: [1x1 struct]
  Vhcl_FR_Trq_DL2WC: [1x1 struct]
  Vhcl_FR_Trq_T2W: [1x1 struct]
Vhcl_FR_Trq_WhlBearing: [1x1 struct]
  Vhcl_FR_rot: [1x1 struct]
  Vhcl_FR_rotv: [1x1 struct]
  Vhcl_FR_rx: [1x1 struct]
  Vhcl_FR_ry: [1x1 struct]
  Vhcl_FR_rz: [1x1 struct]
  Vhcl_FR_tx: [1x1 struct]
  Vhcl_FR_ty: [1x1 struct]
  Vhcl_FR_tz: [1x1 struct]
  Vhcl_FR_vBelt: [1x1 struct]
  Vhcl_Fr1_x: [1x1 struct]
  Vhcl_Fr1_y: [1x1 struct]
  Vhcl_Fr1_z: [1x1 struct]
  Vhcl_Fr1B_rx: [1x1 struct]
  Vhcl_Fr1B_ry: [1x1 struct]
  Vhcl_GearNo: [1x1 struct]
  Vhcl_Hitch_x: [1x1 struct]
  Vhcl_Hitch_y: [1x1 struct]
  Vhcl_Hitch_z: [1x1 struct]
  Vhcl_Ignition: [1x1 struct]
Vhcl_OperationError: [1x1 struct]
Vhcl_OperationState: [1x1 struct]
  Vhcl_Pitch: [1x1 struct]
  Vhcl_PitchAcc: [1x1 struct]
  Vhcl_PitchVel: [1x1 struct]
  Vhcl_PoI_GCS_Elev: [1x1 struct]
  Vhcl_PoI_GCS_Lat: [1x1 struct]
  Vhcl_PoI_GCS_Long: [1x1 struct]
  Vhcl_PoI_ax: [1x1 struct]
  Vhcl_PoI_ax_1: [1x1 struct]
  Vhcl_PoI_ay: [1x1 struct]
  Vhcl_PoI_ay_1: [1x1 struct]
  Vhcl_PoI_az: [1x1 struct]
  Vhcl_PoI_az_1: [1x1 struct]
  Vhcl_PoI_vx: [1x1 struct]
  Vhcl_PoI_vx_1: [1x1 struct]
  Vhcl_PoI_vy: [1x1 struct]
  Vhcl_PoI_vy_1: [1x1 struct]
  Vhcl_PoI_vz: [1x1 struct]
  Vhcl_PoI_vz_1: [1x1 struct]
  Vhcl_PoI_x: [1x1 struct]
  Vhcl_PoI_y: [1x1 struct]
  Vhcl_PoI_z: [1x1 struct]
  Vhcl_RL_Fx: [1x1 struct]
```

---

---

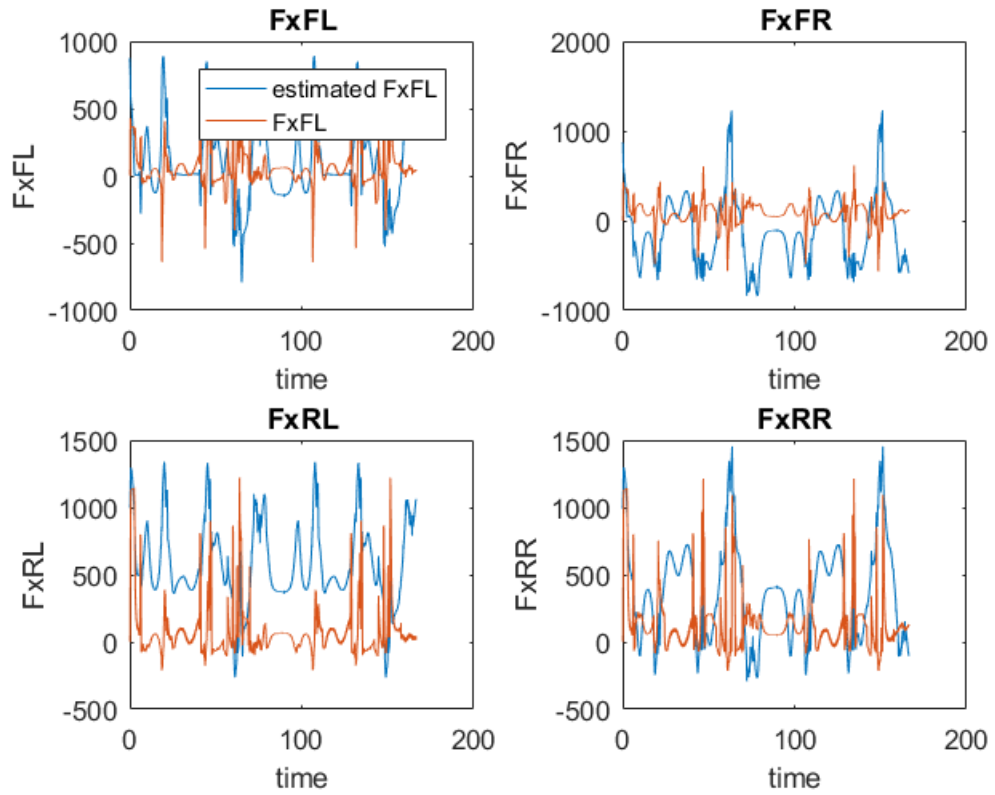
```
Vhcl_RL_FxTwin: [1x1 struct]
  Vhcl_RL_Fy: [1x1 struct]
  Vhcl_RL_FyTwin: [1x1 struct]
  Vhcl_RL_Fz: [1x1 struct]
  Vhcl_RL_FzTwin: [1x1 struct]
  Vhcl_RL_LongSlip: [1x1 struct]
  Vhcl_RL_SideSlip: [1x1 struct]
  Vhcl_RL_Trq_B2WC: [1x1 struct]
  Vhcl_RL_Trq_Brake: [1x1 struct]
  Vhcl_RL_Trq_DL2WC: [1x1 struct]
  Vhcl_RL_Trq_T2W: [1x1 struct]
Vhcl_RL_Trq_WhlBearing: [1x1 struct]
  Vhcl_RL_rot: [1x1 struct]
  Vhcl_RL_rotv: [1x1 struct]
  Vhcl_RL_rx: [1x1 struct]
  Vhcl_RL_ry: [1x1 struct]
  Vhcl_RL_rz: [1x1 struct]
  Vhcl_RL_tx: [1x1 struct]
  Vhcl_RL_ty: [1x1 struct]
  Vhcl_RL_tz: [1x1 struct]
  Vhcl_RL_vBelt: [1x1 struct]
  Vhcl_RR_Fx: [1x1 struct]
  Vhcl_RR_FxTwin: [1x1 struct]
  Vhcl_RR_Fy: [1x1 struct]
  Vhcl_RR_FyTwin: [1x1 struct]
  Vhcl_RR_Fz: [1x1 struct]
  Vhcl_RR_FzTwin: [1x1 struct]
  Vhcl_RR_LongSlip: [1x1 struct]
  Vhcl_RR_SideSlip: [1x1 struct]
  Vhcl_RR_Trq_B2WC: [1x1 struct]
  Vhcl_RR_Trq_Brake: [1x1 struct]
  Vhcl_RR_Trq_DL2WC: [1x1 struct]
  Vhcl_RR_Trq_T2W: [1x1 struct]
Vhcl_RR_Trq_WhlBearing: [1x1 struct]
  Vhcl_RR_rot: [1x1 struct]
  Vhcl_RR_rotv: [1x1 struct]
  Vhcl_RR_rx: [1x1 struct]
  Vhcl_RR_ry: [1x1 struct]
  Vhcl_RR_rz: [1x1 struct]
  Vhcl_RR_tx: [1x1 struct]
  Vhcl_RR_ty: [1x1 struct]
  Vhcl_RR_tz: [1x1 struct]
  Vhcl_RR_vBelt: [1x1 struct]
  Vhcl_Roll: [1x1 struct]
  Vhcl_RollAcc: [1x1 struct]
  Vhcl_RollVel: [1x1 struct]
  Vhcl_Steer_Acc: [1x1 struct]
  Vhcl_Steer_Ang: [1x1 struct]
  Vhcl_Steer_Trq: [1x1 struct]
  Vhcl_Steer_Vel: [1x1 struct]
  Vhcl_Wind_vx: [1x1 struct]
  Vhcl_Wind_vy: [1x1 struct]
  Vhcl_Wind_vz: [1x1 struct]
  Vhcl_Yaw: [1x1 struct]
```

---

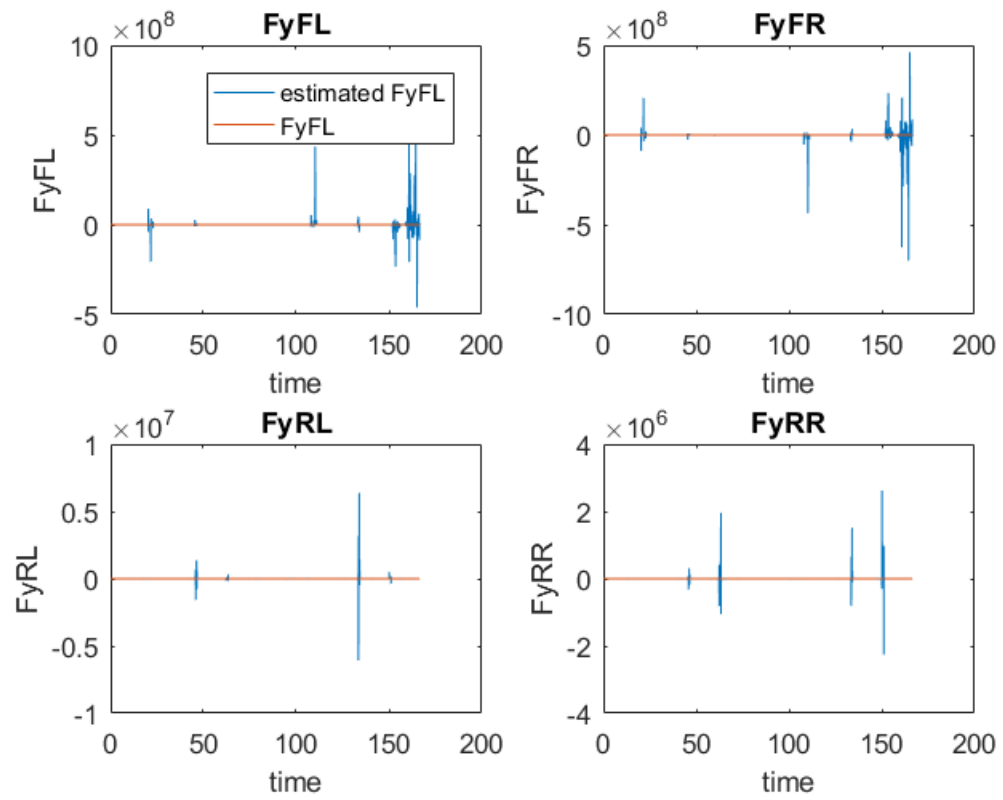
---

```
Vhcl_YawAcc: [1x1 struct]
Vhcl_YawRate: [1x1 struct]
Vhcl_sRoad: [1x1 struct]
Vhcl_sRoadAero: [1x1 struct]
Vhcl_tRoad: [1x1 struct]
Vhcl_v: [1x1 struct]
```

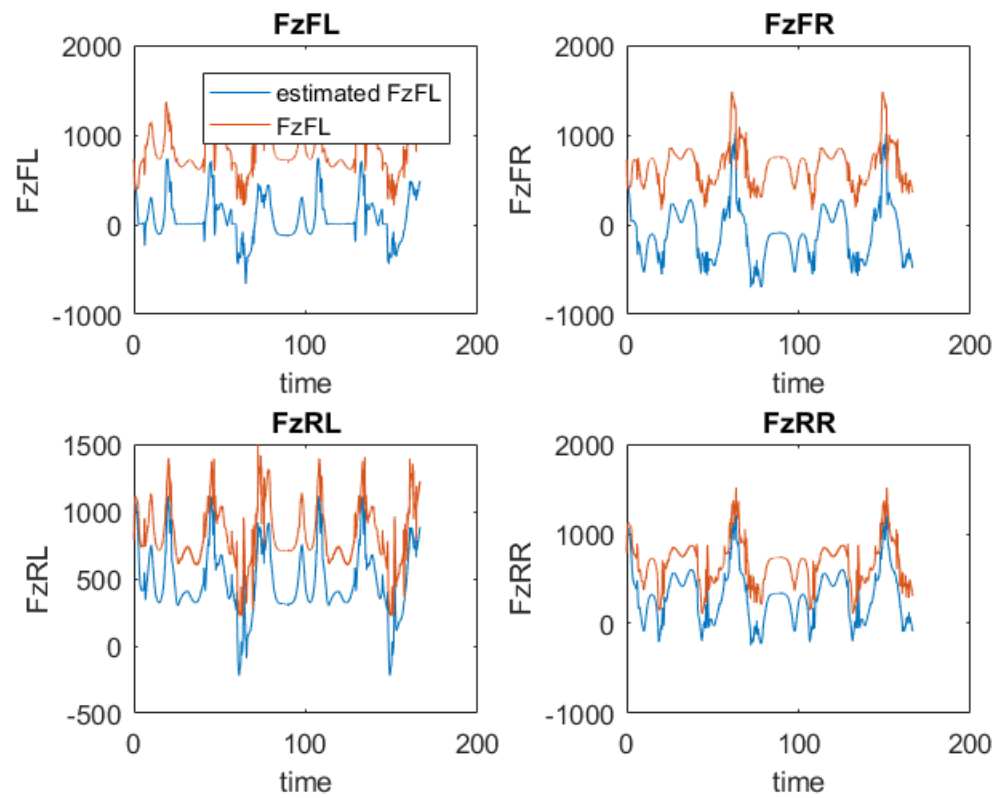
## Fx plot



# Fy plot



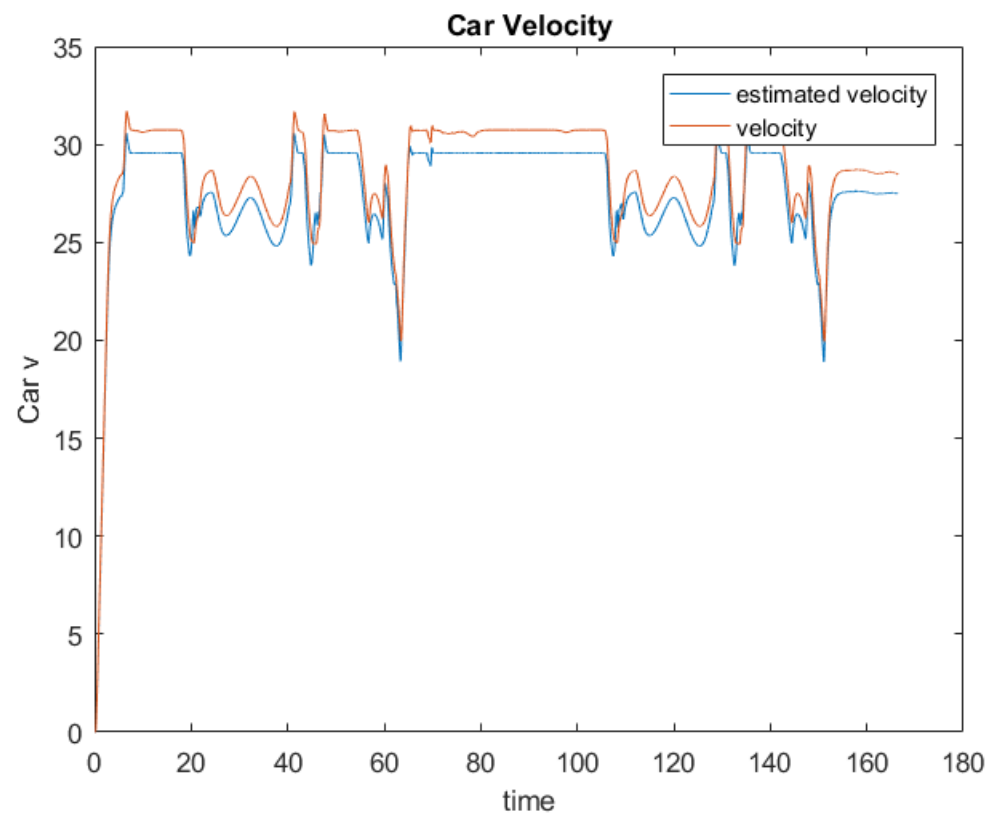
# Fz plot





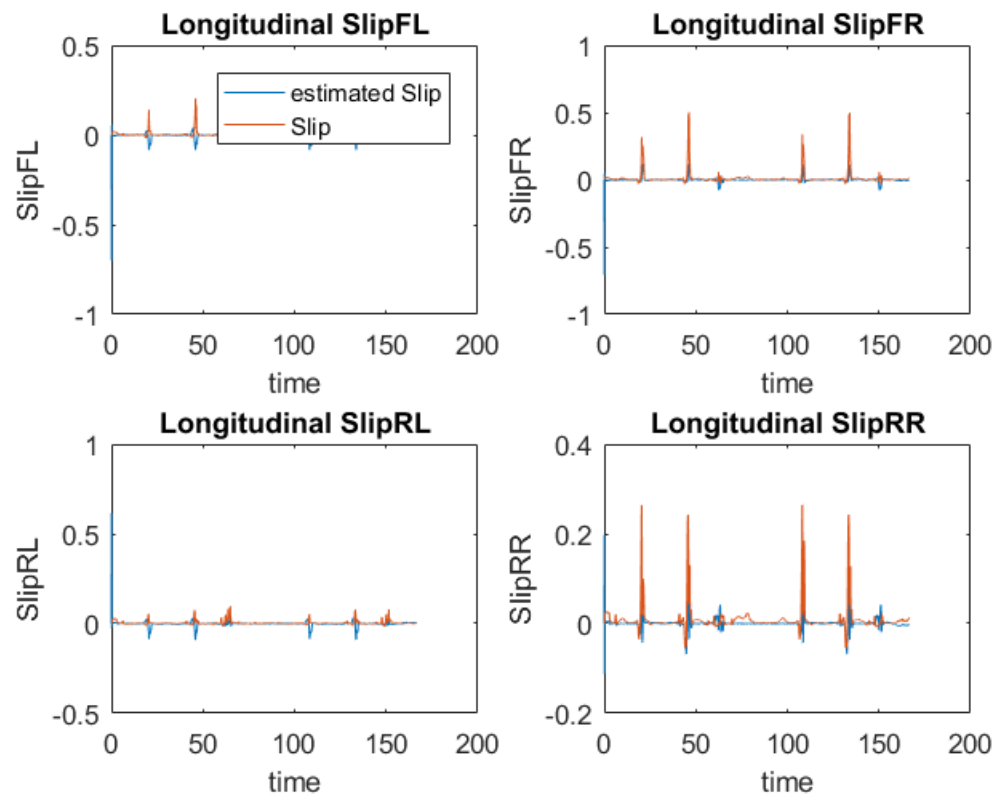
---

# Velocity plot



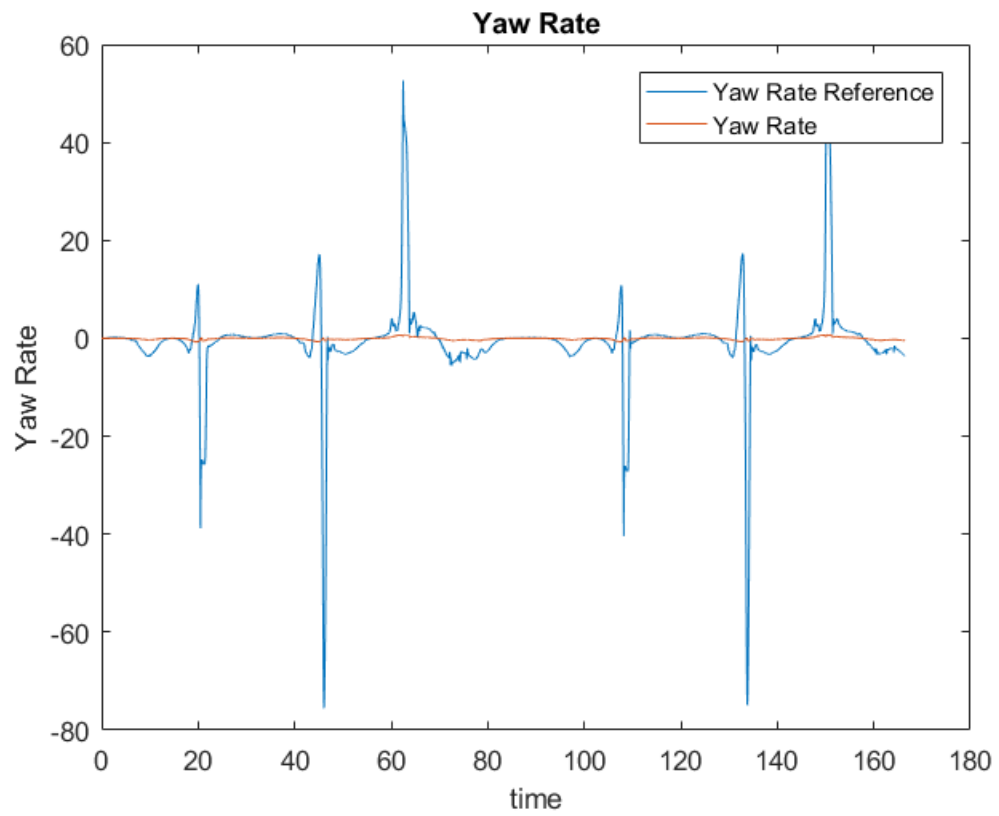
---

# Longitudinal Slip plot



---

# Yaw Rate



*Published with MATLAB® R2016a*