

Model Name: sldemo_autotrans

Date: November 27, 2020

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sldemo_autotrans

Block Name: sldemo_autotrans

Block Path: sldemo_autotrans

Modeling an Automatic Transmission Controller ? ImpellerTorque (rpm) EngineRPM EngineRPM Engine (ft·lb,<torque>) (rpm) Throttle (mph) OutputTorque ShiftLogic Transmission (rpm) BrakeTorque (ft-lb,<torque Vehicle ManeuversGUI TransmissionRPM VehicleSpeed

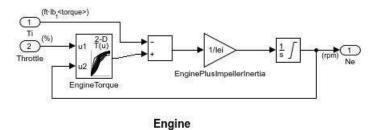
Double-click on ManeuversGUI and select a maneuver

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Engine

Block Name: Engine

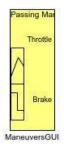
Block Path: sldemo_autotrans/Engine



ManeuversGUI

Block Name: ManeuversGUI

Block Path: sldemo_autotrans/ManeuversGUI

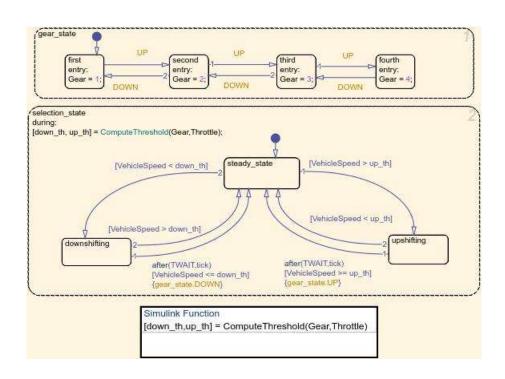


More Info	Diook Nome, More Info	
	Block Name: More Info Block Path: sldemo_autotrans/More Info	

ShiftLogic

Block Name: ShiftLogic

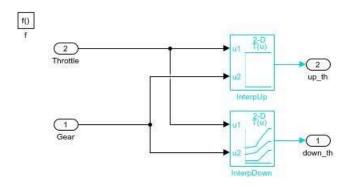
Block Path: sldemo_autotrans/ShiftLogic



ComputeThreshold

Block Name: ComputeThreshold

Block Path: sldemo_autotrans/ShiftLogic/ComputeThreshold

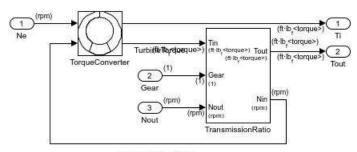


Threshold Calculation

Transmission

Block Name: Transmission

Block Path: sldemo_autotrans/Transmission

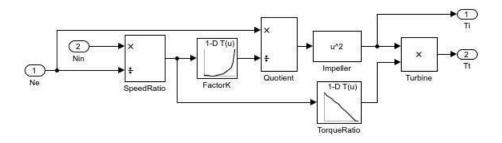


Transmission

TorqueConverter

Block Name: TorqueConverter

Block Path: sldemo_autotrans/Transmission/TorqueConverter

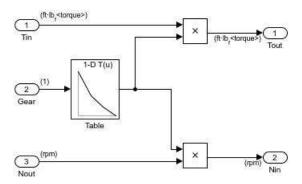


Torque Converter

TransmissionRatio

Block Name: TransmissionRatio

Block Path: sldemo_autotrans/Transmission/TransmissionRatio

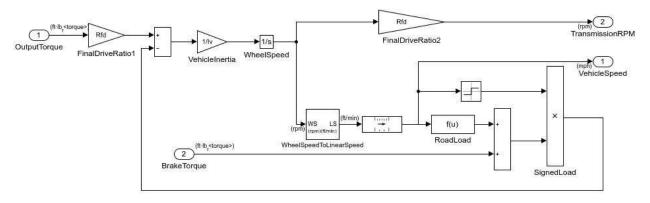


Transmission Gear Ratio

Vehicle

Block Name: Vehicle

Block Path: sldemo_autotrans/Vehicle



Vehicle

WheelSpeedToLinearSpeed

Block Name: WheelSpeedToLinearSpeed

Block Path: sldemo_autotrans/Vehicle/WheelSpeedToLinearSpeed

