Symbols

Input

1. ego_i
2. map_i

Output

1. speed_act
2. throttle_act
3. throttle
4. speed
5. ego
6. map

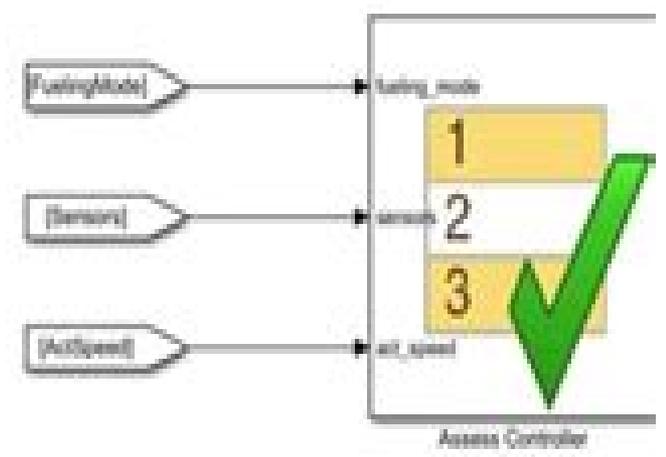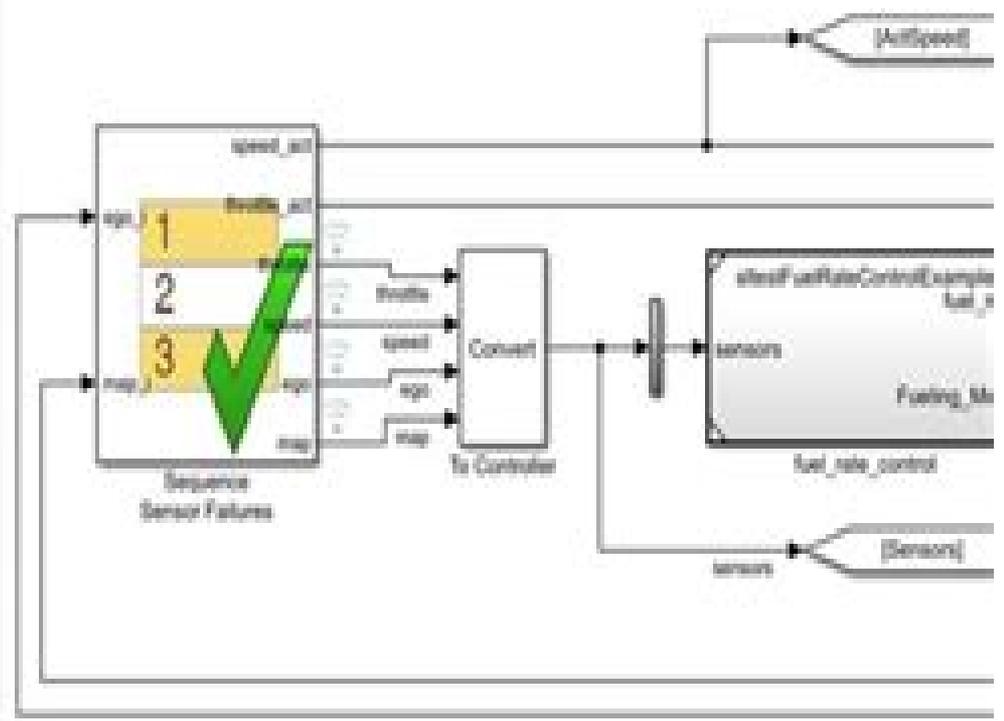**Local**

Constant

Parameter

Data Store Memory

Step	Transit ^

Stabilize_Engine
 	
throttle = 20; % 0 ==> so
speed = 300; % 0 ==> so
ego = ego_i; % 12 ==> so
map = map_i; % 0 ==> so
throttle_act = throttle;
speed_act = speed;
	1. ✏

Test_Scenarios
 	
throttle= 10;
throttle_act = throttle;
speed = 400;
speed_act = speed;
ego = ego_i;
map = map_i;	

Add step after • Add sub-step	

Test_Overspeed
throttle = 30;
throttle_act = throttle;
speed = 300+ramp(1(
speed_act = speed;
	1. N

Reset_to_Normal_Sp throttle = 10;	1. N

Embedded Systems Matlab Simulink Solutions

Michael Hoelscher

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