MPC-L - Test Specification Report

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Test Details

| Releases | Current (2019b) |
|-------------|---|
| Description | This test is aimed to try to find a feasible and stable configuration for the MPC when it comes to slow speed scenarios |

Parameter Sets

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| Parameter Set 1 | | | |
| •Ts | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/S-ampling/CounterFree-e-Running1 Dynamic_obstacle_a-voidance_L/Subsyste-em/Calculating deviation from reference/S-ampling/CounterFree-e-m/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace/To Workspace |

| Workspace Variable Override | /alue Source Model Elements |
|-----------------------------|---|
| Workspace Variable Override | Dynamic_obstacle_a- voidance_L/Subsyste- m/Data to Workspac- e/To Workspace1 Dynamic_obstacle_a- voidance_L/Subsyste- m/Data to Workspac- e/To Workspace4 Dynamic_obstacle_a- voidance_L/Subsyste- m/Data to Workspac- e/To Workspace5 Dynamic_obstacle_a- voidance_L/Subsyste- m/Dynamic_obstacle_a- voidance_L/Subsyste- m/Obstacle detecto- r/Constant5 Dynamic_obstacle_a- voidance_L/Subsyste- m/Obstacle detecto- r/MATLAB Function1 Dynamic_obstacle_a- voidance_L/Subsyste- m/Obstacle detecto- r/MATLAB Function1 Dynamic_obstacle_a- voidance_L/Subsyste- m/Obstacle detecto- r/To Workspace Dynamic_obstacle_a- voidance_L/Subsyste- m/Plant generator/ Dynamic_obstacle_a- voidance_L/Subsyste- m/Plant generator/P- lant Model Generator Dynamic_obstacle_a- voidance_L/Subsyste- m/Plant generator/P- lant Model Generator Dynamic_obstacle_a- voidance_L/Subsyste- m/Plant generator/P- lant Model Generator Dynamic_obstacle_a- voidance_L/Subsyste- m/Sample map/Cou- nterFree-Running |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| | | | m/Subsystem/MATL- AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| • p | 10 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 2 | | | |
| ■ Ts | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsyste-woidance_L/Subsyste-woidance_L/Subsyste-voidan |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | m/Data to Workspace/Fo Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace/Fo Workspace5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 5 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| - p | 8 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 3 | | | |
| ■TS | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Wo |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------------|----------------|--------------------------|---|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| ■ WOV | [30 30 0 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| • p | 10 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 4 (Active) | | | |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|----------------|---|
| •Ts | 0.005 | base workspace | Dynamic_obstacle_avoidance_L/Subsystem// Dynamic_obstacle_avoidance_L/Subsystem/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_avoidance_L/Subsystem/Calculating deviation from reference/Sampling/CounterFree-Running1 Dynamic_obstacle_avoidance_L/Subsystem/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace/To Workspace1 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace/To Workspace4 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace/To Workspace4 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspacee/To Workspace4 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspacee/To Workspace5 Dynamic_obstacle_avoidance_L/Subsystem/Dynamic Model/Counter/Constants |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| • p | 10 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 5 | | | |
| ■Ts | 0.02 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------|--|
| Workspace Variable | Override Value | Source | Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsystem/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsystem/Data to Workspace/To Workspace Dynamic_obstacle_a-voidance_L/Subsystem/Data to Workspace/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsystem/Data to Workspace/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsystem/Data to Workspace/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsystem/Data to Workspace5 Dynamic_obstacle_a-voidance_L/Subsystem/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsystem/Obstacle detector/Constant5 Dynamic_obstacle_a-voidance_L/Subsystem/Obstacle_detector/Constant5 Dynamic_obstacle_a-voidance_L/Subsystem/Obstacle_a-voidance_L/Subsystem/Obstacle_detector/Constant5 Dynamic_obstacle_a-voidance_L/Subsystem/Obstacle_a-voidan |
| | | | |
| | | | r/MATLAB Function1 Dynamic_obstacle_a- voidance_L/Subsyste- m/Obstacle detecto- |
| | | | r/To Workspace |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| - p | 10 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 6 | | | |
| • Ts | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst- |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------|--|
| Workspace Variable | Override Value | Source | em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace Dynamic_obstacle_avoidance_L/Subsystem/Data to Workspace/To W |
| | | | m/Obstacle detecto- r/To Workspace |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 0 0] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| - p | 10 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 7 | | | |
| • Ts | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------|--|
| Workspace Variable | Override Value | Source | Model Elements Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace-L/Subsyste-m/Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/P-woidance_L/Subsyste-m/Plant generator/P- |
| | | | |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| | | | m/Subsystem/MATL- AB Function |
| • WOV | [30 30 0 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| • p | 8 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 8 | | | |
| ■TS | 0.005 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsyste-woidance_L/Subsyste-woidance_L/Subsyste-voidan |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | m/Data to Workspace/Fo Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace/Fo Workspace5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| • p | 8 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 9 | | | |
| ■TS | 0.005 | base workspace | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-e-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspacee/To Workspac |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [10 10 10 10] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| - p | 8 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 10 | | | |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|----------------|---|
| • Ts | 0.01 | base workspace | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFree-Running1 Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/To Workspace2 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace4 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Data to Workspace-e/To Workspace5 Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Dynamic Model/Cr Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/Constant5 |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|---|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/MATLAB Function1 Dynamic_obstacle_a-voidance_L/Subsyste-m/Obstacle detecto-r/To Workspace Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| • p | 15 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 11 | | | |
| ■ Ts | 0.005 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from reference/MATLAB Function |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/ Dynamic_obstacle_a-voidance_L/Subsyste-m/Plant generator/Plant Model Generator Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 8 30] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| - p | 15 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |
| Parameter Set 12 | | | |
| • Ts | 0.01 | base w- orkspa- ce | Dynamic_obstacle_a-voidance_L/Subsyste-m/ Dynamic_obstacle_a-voidance_L/Subsyst-em/Calculating deviation from referenc-e/MATLAB Function Dynamic_obstacle_a-voidance_L/Subsyste-m/Calculating deviation from reference/S-ampling/CounterFre-e-Running1 Dynamic_obstacle_a-voidance_L/Subsyst- |

| Workspace Variable | Override Value | Source | Model Elements |
|--------------------|----------------|--------------------------|--|
| | | | Dynamic_obstacle_a-voidance_L/Subsyste-m/Sample map/CounterFree-Running Dynamic_obstacle_a-voidance_L/Subsyste-m/Subsystem/MATL-AB Function |
| • WOV | [30 30 0 0] | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Subs- ystem/Adaptive MPC Co- ntroller/Constant |
| - p | 15 | base w- orkspa- ce | Dynamic_obstacle_avoid- ance_L/Subsystem/Sam- ple map/Selector |

Iterations

| Name | Details | |
|------------|-----------------|-----------------|
| Iteration1 | | |
| | Parameter Name | Value |
| | External Inputs | Parameter Set 1 |
| | Parameter Set | Parameter Set 4 |
| | | |
| Iteration2 | | |
| | Parameter Name | Value |
| | External Inputs | Parameter Set 2 |
| | Parameter Set | Parameter Set 4 |
| | | |

| Name | Details | | |
|------------|-----------------|-----------------|--|
| Iteration3 | | | |
| | Parameter Name | Value | |
| | External Inputs | Parameter Set 3 | |
| | Parameter Set | Parameter Set 4 | |
| Iteration4 | | | |
| iteration4 | Parameter Name | Value | |
| | External Inputs | Parameter Set 4 | |
| | Parameter Set | Parameter Set 4 | |
| ItarationE | | | |
| Iteration5 | Parameter Name | Value | |
| | External Inputs | Parameter Set 5 | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration6 | Parameter Name | Value | |
| | | Parameter Set 6 | |
| | External Inputs | rarameter set o | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration7 | Davameter Name | Value | |
| | Parameter Name | Value | |
| | External Inputs | Parameter Set 7 | |

| Name | Details | | |
|-------------|-----------------|------------------|--|
| | Parameter Name | Value | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration8 | Days makey Nome | Value | |
| | Parameter Name | Value | |
| | External Inputs | Parameter Set 8 | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration9 | Parameter Name | Value | |
| | Parameter Name | value | |
| | External Inputs | Parameter Set 9 | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration10 | | | |
| | Parameter Name | Value | |
| | External Inputs | Parameter Set 10 | |
| | Parameter Set | Parameter Set 4 | |
| | | | |
| Iteration11 | | | |
| | Parameter Name | Value | |
| | External Inputs | Parameter Set 11 | |
| | Parameter Set | Parameter Set 4 | |
| | | | |

| Name | Details | |
|-------------|-----------------|------------------|
| Iteration12 | | , |
| | Parameter Name | Value |
| | External Inputs | Parameter Set 12 |
| | Parameter Set | Parameter Set 4 |
| | | |