

Coverage Report for ldr_sensor

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Analysis Information

Coverage Data Information

Collected in version	(R2021b)
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Model Information

Model version	1.2
Author	nandan
Last saved	Sat Mar 26 13:21:06 2022

Harness information

Harness model(s)	ldr_sensor_Harness1
Harness model owner	ldr_sensor

Simulation Optimization Options

Default parameter behavior	tunable
Block reduction	forced off
Conditional branch optimization	on

Coverage Options





Analyzed model	ldr_sensor
Logic block short circuiting	off

Tests

Test	Started execution	Ended execution
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Summary

Model Hierarchy/Complexity [Run 1](#)

	Decision	Execution
1. ldr_sensor	NA	89% 
2. . . . Subsystem	NA	89% 
3. Degrees to Radians	NA	100% 
4. Degrees to Radians1	NA	100% 

Details

1. Model "ldr_sensor"

Child Systems: [Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Decision	NA	NA
Execution	NA	89% (17/19) objective outcomes

2. SubSystem block "[Subsystem](#)"

[Justify or Exclude](#)

Parent: [/ldr_sensor](#)

Child Systems: [Degrees to Radians](#), [Degrees to Radians1](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Execution	NA	89% (17/19) objective outcomes

S-Function block "[LD_RESISTOR_bottom](#)"

[Justify or Exclude](#)

Parent: [ldr_sensor/Subsystem](#)

Uncovered Links: 

Metric	Coverage
Execution	0% (0/1) objective outcomes

S-Function block "[LD_resistor_top](#)"

[Justify or Exclude](#)

Parent: [ldr_sensor/Subsystem](#)

Uncovered Links: 

Metric	Coverage
Execution	0% (0/1) objective outcomes

Full Coverage

Model Object	Metric
Product block " Divide "	Execution
Product block " Divide1 "	Execution
Product block " Product "	Execution
Product block " Product1 "	Execution
Sum block " Subtract2 "	Execution
Sum block " Subtract3 "	Execution
Sum block " Subtract4 "	Execution
Sum block " Subtract5 "	Execution
Sum block " Subtract_panel_angle_1 "	Execution
Sum block " Subtract_panel_angle_2 "	Execution
Constant block " LDR_Angle_frm_panel "	Execution
Trigonometry block " Trigonometric Function "	Execution
Trigonometry block " Trigonometric Function1 "	Execution
Constant block " Vs "	Execution
Constant block " resistor in series "	Execution

3. SubSystem block "[Degrees to Radians](#)"

[Justify or Exclude](#)

Parent: [ldr_sensor/Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Execution	NA	100% (1/1) objective outcomes

Full Coverage

Model Object	Metric
Gain block " Gain1 "	Execution

4. SubSystem block "[Degrees to Radians1](#)"

[Justify or Exclude](#)

Parent: [ldr_sensor/Subsystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Execution	NA	100% (1/1) objective outcomes

Full Coverage

Model Object	Metric
Gain block " Gain1 "	Execution