

Coverage Report for automaticWiperController

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Analysis Information

Coverage Data Information

Collected in version (R2024b)

Model Information

Model version 1.23
Author ACER
Last saved Wed Jan 01 12:00:53 2025

Harness information

Harness model(s) automaticWiperController_Harness1
Harness model owner automaticWiperController

Simulation Optimization Options

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

Coverage Options

Analyzed model automaticWiperController
Logic block short circuiting off

Tests

Test	Started execution	Ended execution
Run 2	01-Jan-2025 18:50:09	01-Jan-2025 18:50:09

Summary

Model Hierarchy/Complexity

[Run 2](#)

		Decision	Condition	MCDC	Execution
1. automaticWiperController	7	100% <div></div>	NA	NA	100% <div></div>
2. . . . automaticWiperControlSystem	6	100% <div></div>	NA	NA	100% <div></div>

Details

1. Model "automaticWiperController"

Child Systems: [automaticWiperControlSystem](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	7
Decision	NA	100% (9/9) decision outcomes
Condition	NA	NA
MCDC	NA	NA
Execution	NA	100% (11/11) objective outcomes

S-Function block "[Function-Call Generator](#)"

[Justify or Exclude](#)

Parent: [/automaticWiperController](#)

Metric	Coverage
Cyclomatic Complexity	0
Execution	100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	2001/2001

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

[Justify or Exclude](#)

Parent: [/automaticWiperController](#)

Metric	Coverage (this object)	Coverage (inc. descendants)
Cyclomatic Complexity	1	6
Decision	100% (1/1) decision outcomes	100% (9/9) decision outcomes
Execution	NA	100% (10/10) objective outcomes

Decisions analyzed

Function call	100%
executed	2001/2001

MultiPortSwitch block "[Multiport Switch](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	3
Decision	100% (4/4) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

integer input value	100%
= zero (output is from input port 1)	704/2001
= low (output is from input port 2)	271/2001
= medium (output is from input port 3)	519/2001
= *,high (output is from input port 4)	507/2001

Execution analyzed

Block executed	100%
	2001/2001

Switch block "[Switch](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	1
Decision	100% (2/2) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

logical trigger input	100%
false (output is from 3rd input port)	1064/2001
true (output is from 1st input port)	937/2001

Execution analyzed

Block executed	100%
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	2001/2001
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Switch block "[Switch1](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	1
Decision	100% (2/2) decision outcomes
Execution	100% (1/1) objective outcomes

Decisions analyzed

trigger > threshold	100%
false (output is from 3rd input port)	704/2001
true (output is from 1st input port)	1297/2001

Execution analyzed

Block executed	100%
	2001/2001

DataTypeConversion block "[Data Type Conversion1](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	0
Execution	100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	2001/2001

Constant block "[Constant](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	0

Execution 100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1

Constant block "[Constant1](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric Coverage
Cyclomatic Complexity 0
Execution 100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1

Constant block "[Constant2](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric Coverage
Cyclomatic Complexity 0
Execution 100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1

Constant block "[Constant3](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric Coverage
Cyclomatic Complexity 0
Execution 100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1

Constant block "[Constant5](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	0
Execution	100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1

Constant block "[Constant6](#)"

[Justify or Exclude](#)

Parent: [automaticWiperController/automaticWiperControlSystem](#)

Metric	Coverage
Cyclomatic Complexity	0
Execution	100% (1/1) objective outcomes

Execution analyzed

Block executed	100%
	1/1