

Test Report: Companion Cube Calculator

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1 Revision History

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

2 Symbols, Abbreviations and Acronyms

symbol	description
T	Test

[symbols, abbreviations or acronyms – you can reference the SRS tables if needed —SS]

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This is the test report for the Companion Cube Calculator, a mathematical tool which determines the range of a user-specified function given the domains of the function's variables. The the directory for this project can be found at:

<https://github.com/GenevaS/CAS741>.

3 Functional Requirements Evaluation

The following tests have failed by verification:

ID	Input	Expected Outcome	Expected MsgID	Actual MsgID
test-control_precedenceOf-Operators3	"x ² *y", "x,2,4\ny,3,5", "(x ²)*y", "x,2,4\ny,3,5"	<i>TRUE</i>	-	(EQC_ INCOMPLETE_OP) Error: Unrecognized sequence encountered during Atomic Equation parsing. Remaining equation =)*y.
test-control_precedenceOf-Operators6	"(2(x+y) ²)/(3 ^z)", "x,1,2\ny,3,4\nz,5,6"	"[0.0438957475994513, \n0.296296296296296]"	Range calculated successfully.	(EQC_ INCOMPLETE_OP) Error: Unrecognized sequence encountered during Atomic Equation parsing. Remaining equation =)/(3 ^z).

4 Nonfunctional Requirements Evaluation

4.1 Correctness

4.2 Robustness

4.3 Verifiability

4.4 Usability

4.5 Maintainability

5 Unit Testing

6 Changes Due to Testing

7 Automated Testing

8 Trace to Requirements

9 Trace to Modules

10 Code Coverage Metrics