

Scientific Calculator

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Documented Final System State

We've implemented following features:

- An application which support users interface on an Android platform
- Our application does the following processing:
 - Basic arithmetic operations - addition, subtraction, multiplication, exponentiation
 - Trigonometric operations - sine, cosine, tan, secant etc.
 - Compound expressions such as $\sin(10) + 1 - (10 * (8 - 9))$
 - Matrix operations - inverse, determinant, multiplication, addition
 - Complex Number operations - conjugate, multiplication, addition, inverse etc.
 - Numeric conversions from decimal base to different bases

1 Class Diagram

2 Final Project vs. Initial Design

2.1 Class Diagram from HW-4

2.2 Discussion of changes

3 Third-Party Code vs. Original Code

3.1 External Code

3.2 List of third party code elements

3.3 List of original code elements

4 Design Patterns

5 Learnings on OOAD