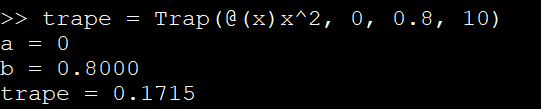
The used formulas for each method:

Composite Trapezoidal rule:

Multiple Simpson rule:

Midpoint Integral rule:

Trapezoidal Rule test:



At

Simpson’s Rule test:

Text

Description automatically generated

At

Midpoint Rule test:

Text

Description automatically generated

At

Graphical user interface

Description automatically generatedIAnalyze results:

TestRun results:

At Trapezoidal:

A picture containing text, screen, screenshot, close

Description automatically generated

At Simpsons:

Text

Description automatically generated with medium confidence

At Midpoint:

A screenshot of a computer

Description automatically generated with medium confidence

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