

Mathematical Document Test

This document tests various mathematical expressions and their rendering.

Inline Math Examples

Block Math Examples

Basic Equations

Integrals

Matrix Operations

[illegible]

Summations and Series

Complex Equations

Greek Letters and Sets

Trigonometric Functions

Limits

Fractions and Roots

Mixed Content

```
def fibonacci(n): if n <= 1: return n return fibonacci(n-1) + fibonacci(n-2)
```

And then a mermaid diagram:

Finally, another block equation:

Error Testing

This might cause issues (intentionally malformed): $\frac{\text{incomplete$