

NUMERIC CALCULATOR SPECIFICATION

AIDAN BEIL

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1. OVERVIEW

- Regular PEMDAS
- Trig functions and inverses
- Exponential and logarithms
- Equality and relation tests
- Basic linear algebra
 - Matrix PEMDAS
 - Determinant
 - ... Form
 - ...
- Only real numeric values; no variables

1.1. **Input.**

A single string that may, or may not, match the grammar detailed in Section 2.

1.2. **Output.**

- If the input matches the grammar:
 - A real valued, purely numeric, reduction.
- Else:
 - A friendly error message.

2. EXPRESSION GRAMMAR

REFERENCES