Math Expressions Calculator

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Introduction

This application improves the work with databases and big data, because it makes the code easier to read. This is useful for both scientists and young students, because it can help them with suggestions for better solutions by checking their answers.
We have implemented expression calculation with an option for run-time addition of operations, variables, pairs of brackets, functions and find derivative functions.

Why is it useful?

It's useful for ...

- big expressions
- this program can give some hints for easier solution

Why is it better?

There are too many calculation tools, but

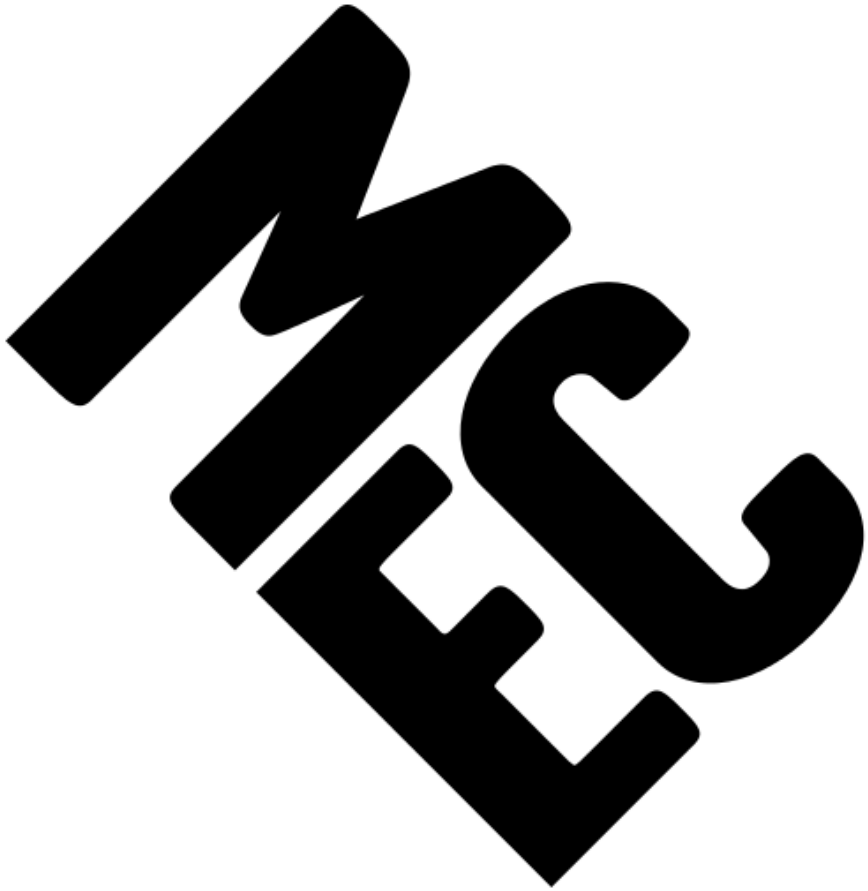
you cannot find a calculator for calculations of the type
$1+a \uparrow\uparrow 3+b[4]+f(90,5;5^6;l) = 1+a^{a^a}+b[4]+5^6*l*(l^{90}+90,5)')$.

Our project can be used as a library:

- for working with databases
- for working with big data
- to simplify problems

because it has good performance (it is fast and required less memory)

Live Demo



Calculated: $1 + a \circ 3 + b[4] + f\left(90, 5; 5^6; l\right) + \sqrt{5} = 10$

How can we make it better?

- Run-time changing for type of values
- Standart integral
- Arrays
- Better interface, smaller dependencies
- Operators with more than one symbols
- Convert codes to more programming languages
- Horner
- and other

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Resources

- *GNU Compiler Collection*.
  `https://gcc.gnu.org/`.
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Questions

Thank you
for
the attention!