

# XMLMath - XML-Based Mathematical Expression Evaluator

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## 1. What is XMLMath?

Xmlmath is a combination of both an xml-based expression language and an interpreter for these xml files. The expressions xmlmath evaluates are mathematical, logical, textual, or a combination.

For example, to compute the result of  $1 + 1$ , you would write:

```
<expression xmlns="http://xmlmath.org/1.0">
  <add>
    <long value="1"/>
    <long value="1"/>
  </add>
</expression>
```

Xmlmath's expression language comes with a fair set of mathematical operators, but also provides operators for conditional evaluation, subroutine-like functionality and document-import features.

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