

# Mikrokosmos

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*<2018-05-25 Fri 18:01>*

**Mikrokosmos** is an untyped and simply typed  $\lambda$ -calculus interpreter, borrowing its name from the series of progressive piano études Mikrokosmos written by Bela Bartok. It aims to provide students with a tool to learn and understand the  $\lambda$ -calculus.

- [GitHub repository](#).
- [User's guide](#).
- [Jupyter kernel](#).

Since version 0.3.0, it comes bundled with a Jupyter Notebook kernel, a tutorial on lambda calculus and specific modes for SKI combinators. Thanks to [GHCJS](#) and [Codemirror](#), you can also try the **Mikrokosmos** lambda interpreter in your browser. Press the **evaluate** button there and play with the code!