

Category theory and lambda calculus

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Category theory and lambda calculus is the title of my bachelor's thesis. It discusses the implementation of **Mikrokosmos** and categorical semantics for the simply typed lambda calculus in its first half. It later extends these notions to dependently typed programming languages (Agda is used as an example) and locally closed cartesian categories. It must be seen as a summary of my study during these months and as a literature review: there is no claim of originality more than the way the ideas are presented.

The complete thesis was written with Emacs in **org-mode format** (highly recommended) and the source code is publicly available **at GitHub**. The final **PDF** is also available, but if you are not that interested on the details, you may prefer to simply read the **commented slides** (in Spanish), which are a reasonable summary of the ideas presented there.