



# **Sushi++ - Language grammar and description**

## **COMPILERS**

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March 6, 2015

# 1 Introduction?

## 2 Description

Sushi++ is a mostly functional language, enhanced with a few features belonging to the declarative and object-oriented paradigms.

### 2.1 Features

Here is our list of features presented in a decreasing order of priority:

1. Closure: a function will be able to capture a variable or a function from the scope of a higher function.
2. Delimiter of end of line: `\n (...)`
3. Full type inference:
4. Usage of language C to use a few function:
5. Simple garbage collector:
6. Packages:

### 2.2 Keywords

### 2.3 Datastructures

### 2.4 Operators