Syntax of Eigenlanguage

Primitive Forms

Function Application

 $f \ a_1 \ \cdots$

Left-Recursive Group

 $(x_1 \cdots)$

Right-Recursive Group

 $[x_1 \cdots]$

Code as Data

\ 2

Data as Code

/x

Function Definition

$$\rightarrow (p_1 \cdots)z$$

Binding

$$= \begin{bmatrix} y_1 & x_1 & & \\ & \ddots & & \ddots \end{bmatrix}$$

Module Declaration

Syntactic Sugar

Singleton

(]

Name Qualification

m/y

Number

 $+18_{-}12$

Character

'Т'

String

"This text is arbitrary."

External String

← "arbitrary_file.text"

Syntactic Comment

%x

Line Comment

% This text is arbitrary.

Block Comment

%%
This text
is arbitrary.
%%