

Test

Author Name

Abstract

This is a pandoc test . . .

Syntaxe

TODO : add key word “var” pour une différence entre instanciation et mutation

TODO : Recherche sur les dependent type (ou type) sur les matrice

Value ::= ...

Type ::= logical | integer | float | complex | character

Term ::= Variable : Type | Variable : Type = Value

Context ::= ^Context, Term : T

Typing rules

Default types

$$\frac{Value \in Logical}{\Gamma \vdash Value : logical}$$

$$\frac{Value \in Integer}{\Gamma \vdash Value : integer}$$

$$\frac{Value \in Float}{\Gamma \vdash Value : float}$$

$$\frac{Value \in Complex}{\Gamma \vdash Value : complex}$$

$$\frac{Value \in Character}{\Gamma \vdash Value : character}$$

Typing of a variable

$$\frac{Variable : Type \in \Gamma}{\Gamma \vdash Variable}$$

Typing of a variable declaration

$$\frac{}{\Gamma \vdash Variable : Type -> \Gamma Variable : Type \vdash \perp}$$

Typing of an assignation

$$\frac{Value \in Type}{\Gamma \vdash Variable : Type = Value -> \Gamma Variable : Type \vdash \perp}$$