Languages-beta: IMP-Funcons-Index

The PLanCompS Project

`Languages-beta/IMP/IMP-Funcons-Index/IMP-Funcons-Index.cbs`*

Computations

Normal computation

Flowing

[*Funcon* sequential
   Alias seq
  Funcon if-true-else
   Alias if-else
  Funcon while-true
   Alias while]

Giving

[*Funcon* initialise-giving]

Binding

[*Type* environments
Alias envs
Datatype identifiers
Alias ids
Funcon initialise-binding
Funcon bind-value
Alias bind
Funcon bound-value
Alias bound
Funcon scope
Funcon collateral]

Storing

[*Funcon* initialise-storing
Funcon allocate-initialised-variable
Alias alloc-init
Funcon assign
Funcon assigned]

Abnormal computation

Failing

[*Funcon* finalise-failing
Funcon checked]

Values

Primitive values

Booleans

[*Datatype* booleans
Alias bools
Funcon true
Funcon false
Funcon not]

Integers

[*Type* integers
   Alias ints
Funcon integer-add
   Alias int-add
Funcon integer-divide
   Alias int-div
Funcon integer-negate
   Alias int-neg
Funcon integer-is-less-or-equal
   Alias is-less-or-equal
Funcon decimal-natural
   Alias decimal]

The null value

[*Datatype* null-type
  Funcon null-value
    Alias null]