

Unstable-Languages-beta: SIMPLE-THR-Unstable-Funcons-Index *

The PLanCompS Project

SIMPLE-THR-Unstable-Funcons-Index.cbs | PLAIN | PRETTY

OUTLINE

Computations

- Normal computation
 - Value indexing
 - Memos
- Abnormal computation
 - Postponing
- Threads
 - Multithreading
 - Activation
 - Termination
 - Thread synchronisation
 - Locks
 - Notifications

Unstable Funcons, for use only in Unstable Languages

Computations

Normal computation

Value indexing

```
[ Funcon  allocate-index
  Funcon  lookup-index ]
```

Memos

```
[ Funcon  initialise-memos
  Funcon  memo-value
  Funcon  memo-value-recall ]
```

Abnormal computation

Postponing

```
[ Funcon  postpone
  Funcon  postpone-after-effect ]
```

*Suggestions for improvement: plancomps@gmail.com.
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.

Threads

Multithreading

[*Funcon* thread-joinable]

Activation

[*Funcon* multithread
Funcon thread-activate]

Termination

[*Funcon* thread-join]

Thread synchronisation

Locks

[*Funcon* is-exclusive-lock-holder]

Reentrant locks

[*Funcon* reentrant-lock-create
Funcon reentrant-lock-sync-else-wait
Funcon reentrant-lock-release
Funcon reentrant-lock-exit]

Notifications

Rendezvous

[*Funcon* rendezvous-create
Funcon rendezvous-sync-else-wait]