Unstable-Funcons-beta: Threads *

The PLanCompS Project

`Threads.cbs` | PLAIN | PRETTY

Threads

[Multithreading
Synchronising
Locks
Notifications]

The funcons for threads are tentative. They have not yet been rigorously unit-tested, nor used significantly in language definitions.

The multithreading funcons involve multiple mutable entities, and are generally specified by inference rules with premises involving the values of those entities before and after a transition.

The synchronising funcons only involve the store entity, and wrap compound funcon terms in thread-atomic(_) to inhibit preemption.

Some of the unit tests are based on examples in an IBM threads guide.

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