

# Unstable-Funcons-beta: Threads \*

The P<sub>L</sub>anCompS Project

Threads.cbs | PLAIN | PRETTY

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## 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](mailto:plancomps@gmail.com).  
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.