

Funcons-beta: Thunks *

The P_LanCompS Project

Thunks.cbs | PLAIN | PRETTY

Thunks

```
[ Datatype thunks
  Funcon thunk
  Funcon force ]
```

Meta-variables $T <: \text{values}$

Datatype $\text{thunks}(T) ::= \text{thunk}(_ : \text{abstractions}(_ \Rightarrow T))$

$\text{thunks}(T)$ consists of abstractions whose bodies do not depend on a given value, and whose executions normally compute values of type T . $\text{thunk}(\text{abstraction}(X))$ evaluates to a thunk with dynamic bindings, $\text{thunk}(\text{closure}(X))$ computes a thunk with static bindings.

Funcon $\text{force}(_ : \text{thunks}(T)) : \Rightarrow T$

$\text{force}(H)$ enacts the abstraction of the thunk H .

Rule $\text{force}(\text{thunk}(\text{abstraction}(X))) \rightsquigarrow \text{no-given}(X)$

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