

Funcons-beta: Thunks

The P_LanCompS Project

Funcons-beta/Values/Abstraction/Thunks/Thunks.cbs*

Thunks

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

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

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

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

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

force(H) enacts the abstraction of the thunk H .

Rule **force**(**thunk**(**abstraction**(X))) \rightsquigarrow **no-given**(X)

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