Funcons-beta: Continuing *

The PLanCompS Project

Continuing.cbs | PLAIN | PRETTY

Continuing

[DatatypecontinuingFunconcontinuedFunconfinalise-continuingFunconcontinueFunconhandle-continue

Meta-variables T <: values

Datatype continuing ::= continued

continued is a reason for abrupt termination.

Funcon finalise-continuing $(X : \Rightarrow T) : \Rightarrow T \mid \text{null-type}$ $\rightsquigarrow \text{finalise-abrupting}(X)$

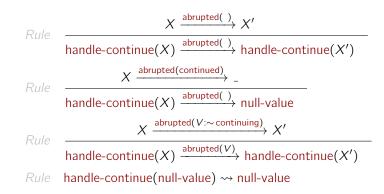
finalise-continuing(X) handles abrupt termination of X due to executing continue.

Funcon continue : \Rightarrow empty-type \rightarrow abrupt(continued)

continue abruptly terminates all enclosing computations until it is handled.

Funcon handle-continue($_: \Rightarrow$ null-type) : \Rightarrow null-type

handle-continue(X) terminates normally when X terminates abruptly for the reason continued.



^{*}Suggestions for improvement: plancomps@gmail.com.

Reports of issues: https://github.com/plancomps/CBS-beta/issues.