Funcons-beta: Continuing

The PLanCompS Project

Funcons-beta/Computations/Abnormal/Continuing/Continuing.cbs*

Continuing

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

continue abruptly terminates all enclosing computations until it is handled.

```
Funcon handle-continue(\_: \Rightarrow \text{null-type}): \Rightarrow \text{null-type}
```

^{*}Suggestions for improvement: plancomps@gmail.com. Issues: https://github.com/plancomps/CBS-beta/issues.

 $\mathsf{handle}\mathsf{-continue}(X)$ terminates normally when X terminates abruptly for the reason $\mathsf{continued}$.

$$Rule \xrightarrow{X} \xrightarrow{abrupted(\)} X'$$

$$Rule \xrightarrow{Abrupted(\)} handle-continue(X) \xrightarrow{abrupted(\)} handle-continue(X')$$

$$Rule \xrightarrow{X} \xrightarrow{abrupted(continued)} \xrightarrow{Abrupted(\)} handle-continue(X) \xrightarrow{abrupted(\)} hull-value$$

$$Rule \xrightarrow{Abrupted(\)} handle-continue(X) \xrightarrow{abrupted(\)} handle-continue(X')$$

$$Rule handle-continue(null-value) \times null-value$$