Universal Control

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Abstract.

1 Terms

1.1 Syntax

t ::= x
| $\lambda(\mathrm{x} : t_1) \to t_2$
| $t_1 \; t_2$
| $\forall (x : t_1) \to t_2$
| $t_1 \equiv t_2$
| refl t
| Level
| 0
| $\omega \uparrow t_1 +_{\{t\}} t_2$
| suc t
| $t_1 \sqcup t_2$
| $t_1 <_\ell t_2$
| $<_{\ell_1}$
| $<_{\ell_2} t_1$
| $<_{\ell_3} t_1 \; t_2$
| Level$[t]$
| $t_1 \;,_\ell\; t_2$
| $\mathrm{proj}_\ell \; t$
| $\mathrm{proj}_{<_\ell} \; t$
| $\mathrm{proj}_{\mathrm{lim}} \; t$
| Set$[t]$
| Set $\varepsilon_0 + i$ for all $i \in \mathbb{N}$

1.2 Typing