Errata in the LiCS 2007 Paper

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May 12, 2008

Theorem 12 is proves more that we actually need. It is sufficient to show that all well-typed terms are in the logical relation. Nothing needs to be shown about judgemental equality, since we have constructed a per model for it already.

Thus, it is sufficient to prove:

Theorem 12 (Fundamental theorem of logical relations)

1. If $\Gamma \vdash t : A$ then $\Delta \vdash t[\sigma] : A[\sigma] \oplus \llbracket t \rrbracket_\rho \in \llbracket A \rrbracket_\rho$ for all $\Delta \vdash \sigma : \Gamma \oplus \rho$.

2. If $\Gamma \vdash A : \Delta$ then $\Delta \vdash A[\sigma] \oplus \llbracket A \rrbracket_\rho$ for all $\Delta \vdash \sigma : \Gamma \oplus \rho$.

Proof. Each by induction on the derivation.