

# Errata in the LiCS 2007 Paper

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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  $\Delta \vdash t[\sigma] : A[\sigma] \textcircled{\text{R}} \llbracket t \rrbracket_\rho \in \llbracket A \rrbracket_\rho$  for all  $\Delta \vdash \sigma : \Gamma \textcircled{\text{R}} \rho$ .
2. If  $\Gamma \vdash A$  then  $\Delta \vdash A[\sigma] \textcircled{\text{R}} \llbracket A \rrbracket_\rho$  for all  $\Delta \vdash \sigma : \Gamma \textcircled{\text{R}} \rho$ .

*Proof.* Each by induction on the derivation. □