

Corrigendum to “Locally Nameless Sets” by Andrew M. Pitts, Proceedings of the ACM on Programming Languages, Volume 7, Issue POPL, Article No. 17, pp 488–514, January 2023.

The symmetry property $\tau_{b,a} = \tau_{a,b}$ was omitted from the presentation of finite permutations in the first part of Fig. 2 on page 17:12. A typographically simple way of fixing this is to change equation (TS₂) in that figure to read

$$\tau_{b,a} \circ \tau_{b,a} = \text{id} = \tau_{b,a} \circ \tau_{a,b} \quad (\text{TS}_2)$$

Then equation (32) in Lemma 2.21 on page 17:9 should also be changed to:

$$(a\ b)(a\ b)x = x = (a\ b)(b\ a)x \quad (32)$$

The Agda proofs accompanying the paper have been updated to take account of these changes.

DOI: <https://doi.org/10.1145/3571210>

Downloadable code: <https://doi.org/10.5281/zenodo.7121016>

Browsable code: <https://amp12.github.io/LocallyNamelessSets/>