Fencing off Go:
Liveness and Safety for Channel-Based Programming
Errata

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This document is for readers who have read earlier versions of the paper, published at POPL 2017 (DOI: 10.1145/3009837.3009847).

Differences with earlier versions

Previous versions of this work contain errors which were discovered by Naoki Kobayashi. The present version aims at correcting these errors, while clarifying the main changes.We have revised the definition of liveness and safety for types (Definitions 4.4 and 4.5) and removed theorems related to the soundness our analysis of general liveness and safety for types. Finally, we have revised several remarks in the comparison between our work and [2, 1, 4, 3] (Sections 7 and 8).

References

[1] E. Giachino, N. Kobayashi, and C. Laneve. Deadlock analysis of unbounded process networks. In *CONCUR*, volume 8704 of *LNCS*, pages 63–77. Springer, 2014.

[2] N. Kobayashi. Type-based information flow analysis for the pi-calculus. *Acta Inf.*, 42(4-5):291–347, 2005.

[3] N. Kobayashi. A new type system for deadlock-free processes. In *CONCUR'06*, volume 4137 of *LNCS*, pages 233–247, 2006.

[4] N. Kobayashi and D. Sangiorgi. A hybrid type system for lock-freedom of mobile processes. *TOPLAS*, 32(5):16:1–16:49, May 2008.