Erratum for: Atomic snapshots in $O(\log^3 n)$ steps using randomized helping, DISC 2013

December 3, 2020

The proceedings version of the paper [1] contains an error in the analysis of the cost of Algorithm 4. The error is that the bounded-increments assumption does not necessarily hold for writes to r.right.tail in Line 11. As a result, the claimed cost of the algorithm is $O(\log^2 n)$ when it should in fact be $O(\log n \log v)$, and the cost of the full snapshot implementation is in fact $O(\log^2 n \log v)$.

We refer the readers to the paper by [2] for an implementation that has a sublinear amortized complexity.

References
