

Erratum to *Parameterized Analysis of Reconfigurable Broadcast Networks*

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The proof of Theorem 2 published in [1] contains a mistake, kindly pointed out by Nicolas Waldburger.

The exact error is the following: to bound the norm of set \mathcal{M} , a configuration $C \in \mathcal{M}$ is considered where $C(q) \leq v(q) + N'$, $\forall q$ for some N' . A configuration C_N is then defined such that $C_N(q) = \min(C(q), v(q) + N)$ for all q with the N given by Theorem 1. The proof then states that $C_N \in \llbracket \theta \rrbracket_N$, which is only possible if $C_N(q) \geq v(q) + N$ for all q . This is wrong because $C(q)$ may be smaller than $v(q) + N$ on some q , entailing $C_N(q) < v(q) + N$ and $C_N \notin \llbracket \theta \rrbracket_N$.

The results of the original paper up until Theorem 2 remain valid. We are currently working on a solution.

References

1. A. R. Balasubramanian, Lucie Guillou, Chana Weil-Kennedy. Parameterized Analysis of Reconfigurable Broadcast Networks In *FOSSACS '22*, volume 13242 of *Lecture Notes in Computer Science*, pages 61–80. Springer, 2022. 10.1007/978-3-030-99253-8_4.