




# 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.