Errata Slip

In the paper "Self-Tuning Intel Transactional Synchronization Extensions" by Nuno Diegues and Paolo Romano that appeared in the Proceedings of the 11th International Conference on Autonomic Computing (ICAC 14), on pages 209–219, two inlined had typos. We highlight the changed text in the equations:

We compute the extension of the random jump for GRAD (based on the direction decided by UCB), by taking into account information about the types of aborts incurred so far. Namely, we collect the number of aborts due to capacity (*ab-cap*) and due to other reasons (*ab-other*). Then, if UCB suggests exploring more attempts (i.e., UCB belief is **stubborn**), we choose the length of the jump, noted *J*, proportionally to the relative frequency of *ab-other*:

$$J = \frac{ab\text{-}other}{ab\text{-}cap + ab\text{-}other} \cdot (maxTries - cur)$$

where *cur* is the current configuration of the budget of attempts and *maxtries* = 16. If UCB is different from **stubborn**, the jump has negative direction, and length:

$$J = \frac{ab\text{-}cap}{ab\text{-}cap + ab\text{-}other} \cdot cur$$