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PLOS ONE

Correction

# Correction: Automated Characterization and Parameter-Free Classification of Cell Tracks Based on Local Migration Behavior

**The *PLOS ONE* Staff**

In the Methods section, Equations 10 and 11 are missing due to a typesetting error. The publisher apologizes for this error. The equations can be found in the correct context below:

"where we assume without loss of generality that $1 \le m \le n \le N_i$. The track length between time points $m$ and $n+1$ can be represented as

$$l_i(n,m) = \sum_{k=m\ge 1}^{n\le N_i} |\vec{d}_i(k,k)| \tag{10}$$

in terms of the displacement vector $\vec{d}_i(k,k)$ that refers to subsequent time points $k$ and $k+1$. The staggered confinement ratio is then defined as the ratio of these two quantities,

$$C_i(n,m) = \frac{|\vec{d}_i(n,m)|}{l_i(n,m)}\,. \tag{11}$$

Viewing $C_i(n,m)$ as entries of the $N_i \times N_i$ matrix $C_i$, we note that this matrix is symmetric because both the displacement vector $|\vec{d}(m,n)| = |-\vec{d}(n,m)| = |\vec{d}(n,m)|$ and the track-segment length $l(n,m) = l(m,n)$ are invariant under the time reversal operation $n \leftrightarrow m$ such that $C(n,m) = C(m,n)$. Furthermore, the diagonal elements of $C_i$ take values $C_i(k,k) = 1$ because $|\vec{d}_i(k,k)| = l_i(k,k)$ for all $k$. In general, $0 \le C_i(n,m) \le 1$, since"

## Reference

1. Mokhtari Z, Mech F, Zitzmann C, Hasenberg M, Gunzer M, et al. (2013) Automated Characterization and Parameter-Free Classification of Cell Tracks Based on Local Migration Behavior. PLoS ONE 8(12): e80808. doi:10.1371/journal.pone.0080808

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