

A random walk model that accounts for space occupation and movements of a large herbivore

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Supplementary Figure S4

Variance of the statistics with an increasing number of simulated steps n_s , from $n_s=10^4$ to $n_s=4 \times 10^5$. We perform additional simulations in the $[10^4, 2 \times 10^4]$ interval to show the rapid decrease in the home range statistic **(b)**.

We also show the intra-class variance for all 100 disks sizes in the dilation **(c)** and the intra-bins variance for each of the 500 bins of each distribution in immobile transects **(d)**.

The variance of the normalized count in mobile transects are detailed for all 4 speeds and 8 radiuses tested for mobile transects **(e and f)**.

