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A new test of random walks in heterogeneous environments

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Unfortunately, Fig. 1 has been printed with errors, hence the correct version is given here.

Fig. 1 The simulated trajectories are inscribed in a rectangular area (40×10 arbitrary units) divided into two adjacent zones, each with its own mean move length $1/\lambda$ and a symmetric distribution of turning angles around zero. **a** In the first condition, the mean distance travelled before changing direction is lower in zone 2 than in zone 1 ($1/\lambda_1 > 1/\lambda_2$). **b** In the second condition, this distance is the same in the two zones, but the organisms have a tendency to follow the boundary between the two zones (*straight line*) and to leave it after travelling on average distance $1/\lambda_3$

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