

## Erratum to: The retreat of the less fit allele in a population-controlled model for population genetics

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Published online: 11 June 2013  
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### Erratum to: J Math Biol DOI 10.1007/s00285-013-0673-7

The proof of Lemma 2.4 is correct when the habitat is one-dimensional. However, the fact that the function  $\hat{\rho}_1$  defined by formula (6.14) approaches zero on the part of the cone  $|\mathbf{x}| = \tilde{c}t$  where  $x_1 = 0$  invalidates the argument that  $\rho_1 \leq \hat{\rho}_1$  for  $|\mathbf{x}| \leq \tilde{c}t$  when the habitat is multidimensional. This gap is easily repaired by replacing the function  $\cosh \mu x_1$  in (6.14) by a radially symmetric positive solution  $\Psi(|\mathbf{x}|)$  of the equation  $\nabla^2 \Psi = \mu^2 \Psi$ . When the habitat has dimension 2, one can let  $\Psi := I_0(\mu|\mathbf{x}|)$  where  $I_0$  is the usual Bessel function with imaginary argument. In three dimensions, one can let  $\Psi := [\sinh \mu|\mathbf{x}|]/[\mu|\mathbf{x}|]$ .

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The online version of the original article can be found under doi:[10.1007/s00285-013-0673-7](https://doi.org/10.1007/s00285-013-0673-7).

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