

Review of: "Branching Markov Chains: Survival Thresholds and Applications to Species Navigation"

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Potential competing interests: No potential competing interests to declare.

After reading carefully, I found that the paper can be accepted if the following changes can be made:

1. In the abstract, the authors must highlight the motivation of the study.
2. What software was used for simulation?
3. Improve all sections of the paper.
4. The local search schemes should use the Levenberg propagation scheme instead of the active set scheme.
5. Improve the figures.
6. Improve the conclusion.