

Tau-Leaping.

Paper 1: **Efficient step size selection for the tau-leaping simulation method**

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Project Objectives: 1) Implement the Tau-leaping method.
2) Investigate the effect of step-size selection and the error in the stationary distribution in the birth-death model.
3) Find the correct step-size which can recreate the probability distribution of the Boomerang.
4) Investigate Tau-Leaping methods effectiveness in recreating bimodal distribution such as the Slögl.