

Recent reading

Theory

Theory text with a citation [1] with an equation $E = mc^2$.

These authors claim that maximizing the flux results in minimizes the free energy wells of intermediate metastable states.

The forward rate constants from state i to j are k_{ij} and these are reversible transitions. The *rate* is $k_{ij}^+ P_i$, where P_i is the probability in bin (or state) i . There is a total free energy budget σ_{tot} that describes the free energy difference across the cycle.

References

1. Brown AI, Sivak DA. 2017 Allocating dissipation across a molecular machine cycle to maximize flux. See <https://arxiv.org/abs/1703.05283v3>.