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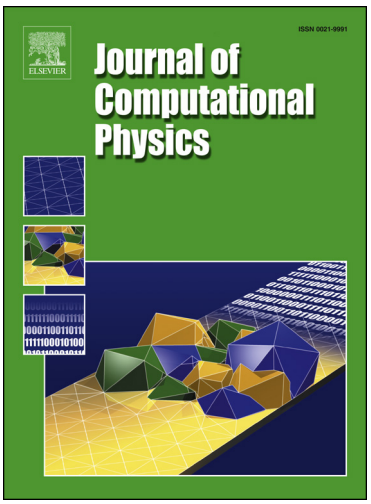

Robustly simulating biochemical reaction kinetics using multi-level Monte Carlo approaches

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Highlights

- The multi-level method provides the computational efficiency essential for exploring the potential behaviours of complicated biochemical reaction networks.
- A different variance reduction technique can improve the performance and reliability of the multi-level simulation method.
- The R-leap method can be effectively used within the multi-level framework.

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