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**A stochastic cellular automaton modeling gliding and aggregation of myxobacteria.** (English)

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SIAM J. Appl. Math. 61, No. 1, 172-182 (2000).

**MSC:**

92C17 Cell movement (chemotaxis, etc.)

60K35 Interacting random processes; statistical mechanics type models; percolation theory

35Q92 PDEs in connection with biology, chemistry and other natural sciences

65C99 Probabilistic methods, stochastic differential equations

Cited in **16** Documents

**Keywords:**

aggregation; stochastic cellular automaton; chemotaxis; diffusion approximation; trail following

**Full Text:** [DOI](#)