Monte Carlo Study of Spherical and Cylindrical Micelles in Multiblock Copolymer Solutions

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Solutions of multiblock copolymer chains in implicit selective sol- vents are studied by Monte Carlo off-lattice method which employs a parallel tempering algorithm. The aggregation of block copolymers into micellar structures of spherical and cylindrical shapes is observed. We conjecture that these structures will evolve into vesicles.