

Abstract Submitted
for the MAR08 Meeting of
The American Physical Society

Scaling of Polymer Diffusivity in Confined Colloid-Polymer Systems AMIR AMINI, Rice University, MARC ROBERT, Rice Quantum Institute, and Richard E. Smalley Institute for Nanoscale Science and Technology, Rice University — We show how the diffusivity of a polymer chain in a colloidal suspension varies with the extent of confinement and the number of segments, as well as with concentration of colloids. These predications are compared with experimental results

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Date submitted: 27 Nov 2007

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