Abstract Submitted for the MAR11 Meeting of The American Physical Society

Polyelectrolyte gel dynamics during volume phase transitions MITHUN MITRA, JING HUA, MURUGAPPAN MUTHUKUMAR, University of Massachusetts, Amherst — We will address the dynamics of the elastic modes of a polyelectrolyte gel near the first-order volume phase transition. The role of the neutralizing plasma on the modulus of the polyelectrolyte gel will be discussed.

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Date submitted: 28 Dec 2010 Electronic form version 1.4