

Abstract Submitted
for the MAR06 Meeting of
The American Physical Society

A Constant Force Dielectrophoretic Cell MARIA KILFOIL, VINCENT PELLETIER, ANDREW SCOTT, ALLAN HALDANE, McGill University — We fabricated an especially designed cell to study colloidal suspension under an isomotive dielectrophoresis force. Under such conditions, the effects of a uniaxial force on gel structure and crystallization can be studied with an absolute control on its magnitude. Since the force is horizontal by design, we can take advantage of the higher resolution on the horizontal axis to obtain more precise particle locations. Preliminary results are shown.

Vincent Pelletier
McGill University

Date submitted: 04 Dec 2005

Electronic form version 1.4