

Abstract Submitted
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Pairwise Additivity in Colloidal Electrostatics JASON W. MERRILL, Yale University, SUNIL K. SAINIS, Rowland Institute, ERIC R. DUFRESNE, Yale University — We present a method for measuring electrostatic and hydrodynamic interactions between colloidal particles based on observations of short-time trajectories. We use this method to explore whether forces between colloidal particles can be considered pairwise additive by comparing the force between a pair of particles to forces between groups of several particles.

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