

# Kinetic equations with appearing walls

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We present first results on the long time behavior and diffusive limits for Langevin and overdamped langevin equations in the presence of extremely strong potentials. These potentials lead to walls at the limit and we will also explain how these results can be considered as first steps to the kinetic derivation of immiscible fluid equations. This is an ongoing work with Bérénice Grec and Hélène Mathis