Movie Captions

- Movie 1

Flow field evolution for the (J),Φ(J)-rheology in the well-posed, low packing fraction ($<$sub$>$0$<$/sub$>$=0.35), regime . Here the initial data is a small sinusoidal perturbation in vertical velocity External magnetic field changing the motion pattern of a ferrofluid droplet, in oscillatory shear. A y-oriented field is turned on after three oscillation periods. Simulation parameters: $Ca = 1.00$, $\omega = 1.00$, $\lambda = 1.00$, $Ca_{mag} = 16.00$, $\zeta = 2.0.$.