A three-dimensional small deformation theory for electrohydrodynamics of dielectric drops

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Movie Caption

- Movie 1: Drop deformation and flow field corresponding to drop radius $a_d = 0.7\,\mathrm{mm}$, viscosity ratio $\lambda = 1.41$, electric field strength $E/E_{c,s} = 2$, conductivity ratio $R = 36.6$, and permittivity ratio $Q = 0.57$.
- Movie 2: Drop deformation and flow field corresponding to drop radius $a_d = 0.7\,\mathrm{mm}$, viscosity ratio $\lambda = 14.1$, electric field strength $E/E_{c,s} = 2$, conductivity ratio $R = 36.6$, and permittivity ratio $Q = 0.57$.

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