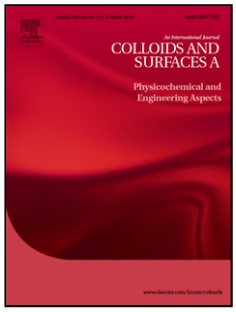

Title: Rotating Electroosmotic Flow of Viscoplastic Material Between Two Parallel Plates

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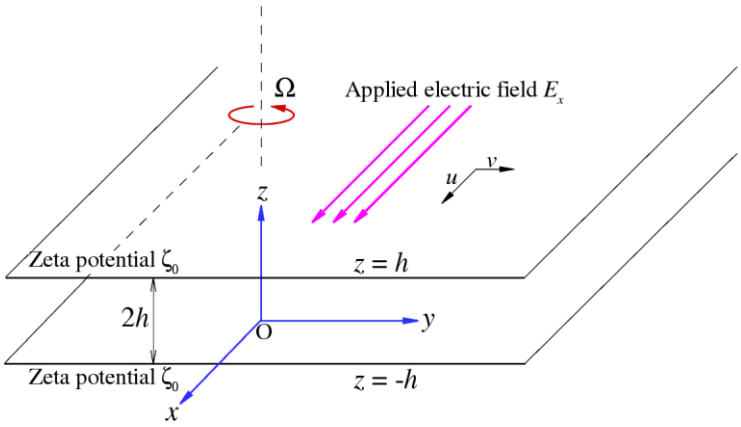

This paper is to look into electroosmotic flow of a viscoplastic material, modeled as Bingham plastic or Casson fluid, through a parallel-plate channel that rotates about an axis perpendicular to the plates. To solve the problem, the yield surface, where the stress is equal in magnitude to the yield stress, has to be found simultaneously with the velocity and stress components in the sheared and unsheared regions.