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Shock-waves between two electrified thin films flowing down nearly horizontal channel

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Highlights

- study the dynamics of an electrified interface separating two immiscible layers in a nearly horizontal channel in the sense of shock waves
- The long wave theory
- An existence of various types of shock- like solutions, which include compressive Lax shocks, pairs of Lax and under-compressive shocks, and rarefaction waves.

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