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Thin film flow of bi-viscosity fluid over an unsteady stretching sheet:
An analytical solution

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Highlights

- Thin film flow of bi-viscosity liquid over an unsteady stretching sheet is investigated analytically by considering the full set of Navier-Stokes equation.
- The bi-viscosity parameter resists the film thinning process.
- The initial non-uniform film profile becomes planar at large time.

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