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Flow of a Bingham Fluid in a non Symmetric Inclined Channel

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Highlights

- We investigate the flow of a Bingham fluid in a non symmetric inclined channel.
- We assume that the flow is driven by gravity and consider lubrication approximation.
- We model the plug through an integral approach and we determine an analytic solution.
- We find constraints on the upper plate slope that ensures the presence of the plug.
- We provide a proof for existence and uniqueness of the solution.

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