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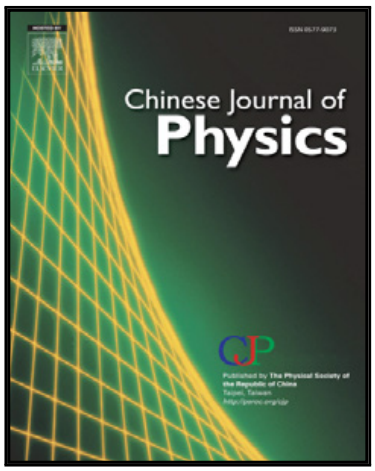

Influence of time-fractional derivatives on the boundary layer flow of Maxwell fluids

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Highlights

- Boundary layer flows of a Maxwell fluid with Caputo-Fabrizio derivatives are studied.
- The comparison between ordinary Maxwell fluid and fractional Maxwell fluid is made.
- After a critical value of the time t, the fractional fluids flow slower than ordinary fluids.
- It is possible to find a vortex sheet only for the ordinary Maxwell fluid.

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