

Abstract Submitted
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Investigating Nonexistence of the reversed flow characteristics in a Falkner-Skan equation. MITTU WALIA¹, National Institute Of Technology Kurukshetra — Existence of a class of similarity solutions for a nonlinear differential equation were considered in the case of accelerating and decelerating flows, in this article we proposed nonexistence of reversed flows in a Falkner Skan equation. A new converted nonlinear ordinary differential system is studied for reversed flows. Numerical results for various instances are calculated related to velocity profile, shear stress and their behaviors. In aeronautics, we can use these reversed flow solutions to estimate the critical value of separation.

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