

Unsteady stagnation point flow and heat transfer over a stretching/shrinking sheet with prescribed surface heat flux.

ABSTRACT

An analysis is carried out to study the unsteady two dimensional stagnation point flow and heat transfer over a stretching/shrinking sheet with prescribed surface heat flux. The governing partial differential equations are converted into nonlinear ordinary differential equations using similarity variables, and solved numerically.

Keyword: Stagnation flow; Shrinking sheet; Stretching sheet; Heat transfer; Similarity solution.