

## عنوان مقاله:

Mixed Convection Flow of Couple Stress Fluid in a Vertical Channel with Radiation and Soret Effects

## محل انتشار:

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## خلاصه مقاله:

The radiation and thermal diffusion effects on mixed convection flow of couple stress fluid through a channel are investigated. The governing non-linear partial differential equations are transformed into a system of ordinary differential equations using similarity transformations. The resulting equations are then solved using the Spectral Quasi-linearization Method (QLM). The results, which are discussed with the aid of the dimensionless parameters entering the problem, are seen to depend sensitively on the parameters

## کلمات کلیدی:

Couple stress fluid, Mixed convection, Soret effect, SQLM, radiation effect

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1384911>

