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# an exact analysis of unsteady mhd free convection flow of

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1 altmetric metrics this article investigates the influence of ramped wall velocity and ramped wall temperature on time dependent magnetohydrodynamic mhd natural convection flow of some

#### thermo diffusion and diffusion thermo effects on mhd free

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a mathematical model is presented to study the effect of diffusion thermo and thermo diffusion on free convection flow embedded in a non darcy porous medium in the presence of a uniform transverse magnetic field and uniform suction velocity along a uniformly heated vertical porous plate

# soret heat generation radiation and porous effects on mhd

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the present study investigates the mhd free convection flow past an infinite vertical plate with oscillating temperature in a porous medium the combined impact of various factors such as magnetic field thermal radiation soret effect heat source sink and chemical reaction is considered in the model

### conjugate effects of heat and mass transfer on mhd free

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the aim of this study is to present an exact analysis of combined effects of radiation and chemical reaction on the magnetohydrodynamic mhd free convection flow of an electrically conducting incompressible viscous fluid over an inclined plate embedded in a porous medium

### chemical reaction heat absorption and newtonian heating on

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the numerical investigation of newtonian heating effect on unsteady mhd free convective flow of radiating and chemically reacting casson hybrid nanofluid past an infinite oscillating vertical porous plate has been discussed

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in this paper the viscous dissipation and dufour effects on unsteady mhd free convective flow through a semi infinite oscillatory porous inclined plate of time dependent permeability with

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the aim of the present work is to investigate free convection heat and mass transfer adjacent to moving vertical porous infinite plate for incompressible micropolar fluid in a rotating frame of reference in the presence of heat generation or absorption effects a first order chemical reactions

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we have considered the steady fully developed mhd free convection flow through porous medium between two infinite vertical parallel plates due to asymmetric heating of plates taking hall current into account effects of velocity slip and temperature jump have been

#### heat and mass transfer effects on mhd free convection flow

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the aim of this study is to present an exact analysis of combined effects of radiation and chemical reaction on the magnetohydrodynamic mhd free convection flow of an electrically conducting incompressible viscous fluid over an inclined plate embedded in a porous medium

#### heat and mass transfer effects on mhd free convection flow

Aug 15 2023

abstract the effects of heat and mass transfer on mhd free convection flow over an inclined and exponentially accelerated plate embedded in porous medium with heat source has been discussed an exact solution of the governing equations for fully developed flow is obtained in closed form

### effect of generalized thermal transport on mhd free

Jul 14 2023

the purpose of this article is to analyse the influence of a the generalized thermal transport on the free convection flow of a viscous nanofluid inside a cylindrical tube the generalized atangana baleanu time fractional differential operator is used to generalized the heat transport equation

#### on the influence of soret and dufour effects on mhd free

lun 13 2023

the effects of soret and dufour on an unsteady mhd free convection flow past a vertical porous plate in the presence of suction or injection have been investigated by sarada and shankar 21 a numerical approach has been carried out for the study of soret and dufour effects on mixed convection heat and mass transfer past a vertical heated

# jeffrey fluid impact on mhd free convective flow past a

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this article concentrates on the free convective magnetohydrodynamic jeffrey fluid flow in a porous medium flow analysis was caused due to a vertically inclined plate characteristics of heat

#### simulation of thermal radiation effects on mhd free

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this article deals with the application of the chebyshev collocation spectral method csm to the analysis of thermal radiation effects on magnetohydrodynamics free convection in a square cavity

# hall effect on mhd free convection boundary layer flow past a

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impact of lorentz force on free convection flow of a viscous fluid past an infinite vertical plate in this paper an investigation carried out to study the effects of thermal diffusion and hall current radiation on unsteady mhd free convective viscous incompressible electrically conducting

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absorption and hall and ion slip effects on mhd free convective rotating flow of nano fluids past a semi infinite permeable moving plate with constant heat source

# on the free boundary problems for the ideal incompressible

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the equations 1 1 are the ideal incompressible mhd equations which describe the motion of an inviscid perfectly conducting fluid plasma under the influence of magnetic fields the first line is the combination of the incompressible euler equations in hydrodynamics and the maxwell equations in

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# corrugated conductive partition effects on mhd free

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mhd free convection of cnt water nanofluid in a corrugated partition was studied significant enhancements in the nu is obtained with cnts corrugated partition parameters can be used to control the

convection

nhk\_\_\_\_\_

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