Unsteady Viscoelastic MHD Fluid Flow through Inclined Porous Plate in the Presence of Heat Source, Thermal Radiation and Chemical Reaction

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Abstract: *The unsteady viscoelastic MHD (magnetohydrodynamics) flow via an inclined porous plate embedded in a porous medium showing the radiation and chemical effects are studied in this research. With the use of Mathematica software, dimensionless differential equations of the governing equations of flow are numerically solved using the Crank-Nicolson finite difference method. The discussion of velocity, temperature, and concentration profiles is done using graphs for various parameter values. Skin-friction coefficients, Nusselt number and Sherwood number are discussed through tables for different values of parameters*

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