

x, y	Directions along and normal to the surface, m	Sc	schmidt number
u, v	velocity components along x & y directions, $m.s^{-1}$	Sr	soret number
T_m	dimensional thermal stratification	C_{fx}	local skin friction coefficient
C_m	dimensional solutal stratification	Nu_x	local Nusselt number
T_0	reference temperature, K	Sh_x	local Sherwood number
C_0	reference concentration, $kg.m^{-3}$	Re_x	local Reynolds number
T	temperature of the fluid, K	Greek symbols	
C_p	specific heat capacity at constant pressure, $J. kg^{-1}. K^{-1}$	λ^*	latent heat of the fluid
Q_0	heat generation/absorption parameter	λ	dimensional viscoelastic parameter
D_m	molecular diffusivity of the species concentration	β	deborah number
k_T	thermal diffusion ratio	ρ	electrical conductivity of the fluid, $W.m^{-1}.K^{-4}$
C_s	concentration susceptibility, $kg.m^{-3}$	σ	density of the fluid, $Kg.m^{-3}$
C	concentration of the fluid, $kg.m^{-3}$	ϕ	dimensionless concentration
S_t	thermal stratification parameter	ζ	similarity variable
n	velocity power index parameter	δ	heat source parameter
S_{sol}	solutal stratification parameter	θ	dimensionless temperature
k	thermal conductivity $W.m^{-1}. K^{-1}$	μ	dynamic viscosity, $kg. m^{-1}.s^{-1}$
m	melting parameter	ν	kinematic viscosity, $m^2.s^{-1}$
f	dimensionless velocity	ξ	temperature dependent viscous parameter
M	magnetic field parameter	ε	temperature dependent thermal conductivity parameter
Pr	prandtl number	γ	thermal relaxation parameter
Du	dufour number		