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NOMENCLATURE

x,y	Cartesian coordinates (m)
u,v	Velocity components (m/s)
γ	Chemical reaction parameter (-)
U	Dimensionless primary velocity (m/s)
Sc	Schmidt number (-)
Nu	Nusselt number (-)
S	Heat source parameter (-)
Cf	Skin friction (-)
ρ	Fluid density (kg/m^3)
ν	Kinematic viscosity (m^2s^{-1})
Tm	Mean fluid temperature (K)
Cs	Concentration susceptibility ($\text{J/kg}\cdot\text{K}$)
Sh	Sherwood number (-)
\bar{T}	Dimensionless fluid temperature (K)
Nt	Thermophoresis parameter (-)
λ	Thermal conductivity variation parameter (-)
g	Acceleration due to gravity (ms^{-2})
M	Magnetic parameter (Wbm^{-2})
β_T	Thermal expansion coefficient (-)
Pr	Prandtl number (-)
Gr	Grashof number (-)
Gm	Modified Grashof number (-)
Kp	Permeability of porous medium (-)
β	Casson parameter (-)
Sr	Soret number (-)
T	Temperature of fluid (K)
k	Thermal conductivity ($\text{W/m}\cdot\text{K}$)
Cp	Specific heat at constant pressure ($\text{J/m}^3\cdot\text{K}$)
β_c	Concentration expansion coefficient (-)
\bar{C}	Dimensionless fluid concentration (-)
Le	Lewis number (-)
Nb	Brownian motion parameter (-)
Dm	Molecular diffusivity of the species concentration (-)
σ	Stefan-Boltzmann constant ($\text{W/m}^2\text{K}^4$)