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NOMENCLATURE

Δt	time spacing
$\frac{\partial}{\partial n}$	differentiation along the normal to the boundary
A	aspect ratio
p'	pressure, pa
P	dimensionless pressure
Nu	local Nusselt number
\bar{Nu}	average Nusselt number
H	cavity height, m
L	cavity length, m
T	temperature, K
V_p	lid-driven plate velocity, m.s ⁻¹
x', y'	cartesian coordinates
x, y	dimensionless Cartesian coordinates
u', v'	velocities components in x,y direction, m.s ⁻¹
u, v	dimensionless velocities
Re	Reynolds number
Pr	Prandtl number

Greek symbols

α	thermal diffusivity, m ² .s ⁻¹
ν	kinematic viscosity, m ² .s ⁻¹
ψ	stream function
ρ	fluid density, kg.m ⁻³
μ	dynamic viscosity, kg. m ⁻¹ .s ⁻¹
θ	dimensionless temperature

Subscripts

c	cold wall
h	hot wall
p	plate
w	wall