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NOMENCLATURE

v	velocity
S	Source term
h_{fg}	latent heat of evaporation (KJ.Kg ⁻¹)
d	Width (m)
ρ	Density (kg. m ⁻³)
T	Temperature (K)
t	Time (s)
c	heat capacity (j.kg ⁻¹ .k ⁻¹)
k	Thermal Conductivity (w.m ⁻¹ .k ⁻¹)
p	Pressure (pa)
L	Length (m)
μ	Viscosity (kg.m ⁻¹ .s ⁻¹)
h	Energy(J)
g	gravity acceleration (m. s ⁻²)
F_{vol}	volumetric force (Pa. m ⁻¹)
H	vaporization enthalpy (J. kg ⁻¹)

Greek symbols

α	volume fraction
β	phase transformation rate (kg. m ⁻³ . s ⁻¹)
δ	Surface tension coefficient

Subscripts

v	vapor
sat	saturation
su	superheat
e	evapor
l	liquid
sub	subcooling
vol	volume
E	Energy