ประกาศตัวแปร

A	area [m^2]
C_p	specific heat capacity [J/kg·K]
D	electric flux density (C/m^2)
E	electric field intensity [V/m]
E_{in}	the input value of electric field intensity [V/m]
f	frequency of incident wave [Hz]
g	gravitational constant [m/s^2]
H	magnetic field intensity [A/m]
h_c	heat transfer coefficient [$W/m^2 \cdot K$]
h_m	mass transfer coefficient [/m/s]
H_v	specific heat of vaporization [J/kg]
J	current density [A/m^2]
K	permeability [m^2]
$\dot{n}$	volumetric evaporation rate [$kg/m^3 \cdot s$]
P	microwave power level [W]
p	pressure [Pa]
Q	local electromagnetic heat generation term [W/m^3]
q	heat flux [W/m^2], electric charge density [C/m^3]
R	universal gas constant [J/mol·K]
s	water saturation [-]
T	temperature [$^{\circ}C$]
$\tan\delta$	loss tangent coefficient [-]
t	time [s]
U_∞	air velocity [m/s]
u, w	velocity [m/s]
MW	microwave
IR	infrared

Greek letters

ϕ	porosity [m^3/m^3]
ρ	density [kg/m^3]
α	thermal diffusivity [m^2/s]
β	coefficient of thermal expansion [1/K]
μ	magnetic permeability [H/m]
υ	velocity of microwave [m/s]
λ_0	wavelength in free space [m]
λ_g	wavelength in waveguide [m]
λ_{mg}	wavelength in dielectric materials [m]
ω	angular frequency [rad/s]
σ	electric conductivity [S/m]
ε	complex permittivity [F/m]
ε'	permittivity or dielectric constant [-]
ε''	dielectric loss factor [-]
λ, λ_{eff}	effective thermal conductivity [W/m·K]

Subscripts

∞	ambient condition
0	free space
a	air
c	capillary
e	effective
g	gas
in	input
ir	irreducible
n	component of normal direction
p	particle
r	relative

s	solid
t	component of tangent direction
l, w	liquid water
z	rectangular coordinates
r	spherical coordinates