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NOMENCLATURE

A	heat transfer area of surface, m ²
c _p	specific heat, J. kg ⁻¹ . K ⁻¹
C	pollutant concentration, mol.m ⁻³
D	diffusion coefficient, m ² .s ⁻¹
h	convective heat transfer coefficient, W.m ⁻² .K ⁻¹
k	thermal conductivity, W.m ⁻¹ . K ⁻¹
N	molar flux, mol.m ⁻² .s ⁻¹
p	pressure, Pa
T	temperature, °C
u	velocity of fluid in x-axis, m.s ⁻¹
v	velocity of fluid in y-axis, m.s ⁻¹

Greek symbols

ρ	density of fluid, kg.m ⁻³
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