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## NOMENCLATURE

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

## Greek symbols

ρ	density of fluid, kg.m <sup>-3</sup>
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