

Gr	Grashof number
Gz	Graetz number
h _z	axially local heat transfer coefficient
L	axial length, length of the channel
m	mass flow rate
Nu	Nusselt number
ΔP	pressure drop
P	wetted perimeter
Pr	Prandtl number
Re	Reynolds number
Ra	Rayleigh number
S	Entropy
V	velocity
Y	wave ratio

Greek symbols

β	Synergy angle
γ	fluid thermal conductivity
ν	Kinematic viscosity

Subscripts

f	bulk fluid
i	inlet
m	mean
o	outlet
w	channel wall
gen	generation