

λ	Thermal conductivity, $\text{W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$
μ	Dynamic viscosity, $\text{kg}\cdot\text{m}^{-1}\cdot\text{s}^{-1}$
π_v	Matrix volumetric porosity
ρ	Density, $\text{kg}\cdot\text{m}^{-3}$
Φ	

Subscripts

in	Inlet section
out	Outlet section
ref	Reference value
t	Turbulent properties