

- μ dynamic viscosity [Pa s]
- μ_t turbulent viscosity [Pa s]
- k kinetic energy
- ε turbulent dissipation rate or emissivity
- σ_T turbulent Prandtl number
- $\sigma_k, \sigma_\varepsilon$ turbulent Prandtl numbers for diffusion of k and ε
- ν kinematic viscosity [$m^2 s^{-1}$]
- η collector efficiency
- $(\tau\alpha)$ effective product transmittance- absorptance

Subscripts

- c collector
- dest destruction

- in inlet
- f fluid
- i, j, k unit vectors in coordination system
- o optical
- out outlet
- m average
- ex exergy
- exp experimental
- num numerical
- r receiver tube
- th thermal
- T incident
- w wind
- W wide of collector aperture