Quantity	Description	SI unit
ρ	Density	kg/m ³
C_p	Specific heat capacity	J/(kg· K)
T	Absolute temperature	K
u_{trans}	Velocity vector	m/s
q	Heat flux by conduction	W/m ²
q_r	Heat flux by radiation	W/m ²
α	Coefficient of thermal expansion	1/K
S	Second Pioa-Kichhoff stress tensor	Pa
Q	Additional heat sources	W/m ³

Elementary Heat Transfer Analysis In Si Metric Units

Arturo Cuomo

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