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NOMENCLATURE

a	thermal diffusivity (m^2s^{-1})
c	heat capacity ($\text{J kg}^{-1} \text{K}^{-1}$)
D_i	distance between sensor strips (m)
Nu	local Nusselt number along the heat source
I_B	sensor current (A)
L_{eff}	effective strip length (m)
L_L	length of the long sensor resistance (m)
L_s	length of the short sensor resistance (m)
m_i	reduced instantaneous slope
q	linear heat flux density (W m^{-1})
R_{eff}	effective sensor electrical resistance (Ω)
R_i	electrical resistance of a triplet (Ω)
T	temperature (K)
t	time (s)
T_a	ambient temperature (K)
U_B	sensor output signal (V)

Greek symbols

ρ	density (kg m^{-3})
λ	thermal conductivity ($\text{Wm}^{-1}\text{K}^{-1}$)