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The effect of allometric scaling in coral thermal microenvironments

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S1 Table

List of symbols, their dimensions, and definitions.

α [-]	tissue absorptivity	h [$Wm^{-2}K^{-1}$]	heat transfer coefficient
A [m^2]	coral surface area	I [Wm^2]	irradiance
T_t [K]	coral tissue temperature	T_f [K]	ambient fluid temperature
\mathbf{U} [ms^{-1}]	superficial velocity vector	ϕ [%]	porosity
ν [m^2s^{-1}]	kinematic viscosity	μ [Nsm^{-2}]	dynamic viscosity
ρ_c [kgm^3]	coral density	ρ_f [kgm^3]	fluid density
C_{pc} [$Jkg^{-1}K^{-1}$]	coral heat capacity	C_{pf} [$Jkg^{-1}K^{-1}$]	fluid heat capacity
k_c [$Wm^{-1}K^{-1}$]	coral thermal conductivity	k_f [$Wm^{-1}K^{-1}$]	fluid thermal conductivity
Γ_{T_m} [m^2s^{-1}]	medium thermal diffusivity	Pr [-]	Prandtl number
D [ms^{-1}]	Darcy's term	F [ms^{-1}]	Forchheimer's term
k [m^2s^{-2}]	turbulent kinetic energy	ω [m^2s^{-3}]	specific dissipation rate