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S5 Table

Near-wall damping terms and free-stream parameters, where C_μ and β_1 represent constant values of 0.09 and 0.075, respectively.

Parameter	Formulae
normalised distance from the wall (y^+)	$\frac{y \cdot u_*}{\nu}$
friction velocity (u_*)	$\sqrt{\frac{\tau_w}{\rho}}$
wall shear stress (τ_w)	$\frac{C_f \rho U_0^2}{2}$
skin friction coefficient (C_f)	$\frac{0.0791}{Re^{-0.3}}$
turbulent kinetic energy (k) [$m^2 s^{-2}$]	$\frac{3}{2} (\overline{IU})^2$
turbulent dissipation rate (ϵ) [$m^2 s^{-3}$]	$\frac{C_\mu^{3/4} k^{3/2}}{l_{sc}}$
turbulent specific dissipation rate (ω) [s^{-1}]	$C_\mu^{-1/4} \frac{\sqrt{k}}{l}$
wall turbulent specific dissipation rate (ω_{wall}) [s^{-1}]	$\frac{60 \nu}{\beta_1 y^2}$