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NOMENCLATURE

ρ	Density
u_x, u_y, u_z	Velocity component at x, y, z direction
τ	Time
F_b	Mass force per unit
p	Stress
e	Internal fluid energy per unit
q	Energy generated by heat exchange
G_k	Turbulence energy made by average velocity gradient
G_b	Turbulence energy made by buoyancy
Y_M	Influence made by compressible flow turbulence expansion on the total dissipation
σ_k	Turbulent Prandtl constant
σ_ϵ	Dissipation ration Prandtl constant
k	Turbulent energy
ϵ	Dissipation ratio
$\{X_0\}$	Reference sequences
$\{X_i\}$	Compare sequences
ρ	Resolution factor
ER	Expansion ratio
HL	Half-life