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List of important symbols used

Symbol	Description
V_b, V_h	Basic wind speed
V_z	Wind profile
C_D	Drag Coefficient
w_m	Wind loading
G	Gust factor
p_z	Pressure profile with height
g	Peak factor, Acceleration due to gravity
S_n	Strouhal number
η_{oi}	Peak deflection due to vortex shedding in i^{th} mode
Φ	Normalized mode shape
F_{zoi}	Force due to vortex shedding
M_{zoi}	Moment due to vortex shedding
V_{cr}	Critical Velocity of flow
u_i	Normalized response
u_i	Actual response
α_h	Seismic Coefficient
I	Importance factor
β	Soil Coefficient
S_a	Seismic acceleration
E_s	Modulus of Elasticity (Steel)
E_c	Modulus of Elasticity (Concrete)
T_x	Temperature gradient
σ_{st}	Thermal stress in steel
σ_{ct}	Thermal stress in concrete
α	Coefficient of thermal expansion
k	Location of neutral axis

ε_{sml}	Limiting stress in steel
ε_{cul}	Limiting stress in concrete
γ_s	Partial safety factor for steel
γ_c	Partial safety factor for concrete
r	Radius of the chimney
t	Thickness of the chimney shell
m	Dimensionless quantity for moment
n	Dimensionless quantity for normal force
ρ	Percentage of steel
f_s	Stress-strain curve for steel
f_{pc}	Stress-strain curve for steel
ε	Strain
α_0	Location of the neutral axis