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NOMENCLATURE

β	wind pressure regulation factor
[S]	System stiffness matrix
ν	fluctuation influence coefficient
ε	oscillating coefficient
γ	fluctuating amplifying coefficient
μ	wind pressure height coefficient
[M]	System mass matrix
H	tower height
b	width of the root opening
T_1	free vibration period
f	frequency
B	top width of the tower
{X}	nodal displacement vector
ω	natural frequency
{ \ddot{X} }	nodal acceleration vector