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LIST OF SYMBOLS AND ABBREVIATIONS

$[\]$	Matrix
$\{ \}$	Vector
C	Coefficient of new matrix
$[A]$	Damaged mode shape
$[B]$	Undamaged mode shape
$[F]$	Modal Flexibility Matrix
$[\emptyset]$	Mass normalized modal vectors
$[1/\omega^2]$	Diagonal matrix containing reciprocal of the square of natural frequencies in ascending order
$[K]$	Stiffness
$[M]$	Mass matrices
λ_i	i th eigenvalue
φ_i	i th eigenvector
$v''(x)$	Curvature at location
$M(x)$	Applied moment
E	Modulus of Elasticity
I	Moment of Inertia
$\bar{v}_{i,j}$	Modal Curvature
i	node number
j	mode number
h	structure length
$[F]$	Modal Frequency