NOTATIONS

(x,y,z)	Rectangular Cartesian Co-ordinates,
(x_1,y_1)	Oblique Co-ordinates on the xy-plane,
θ	Skew Angle,
W	Deflection normal-to-the-middle-plane of the plate,
W_o	Maximum Central Deflection,
u,v	Inplane Displacements,
h	Thickness of the plate ,
p	Thickness-variation Parameter,
Q	Load Function,
q	Intensity of a Continuously Distributed Load,
E	Modulus of Elasticity in Tension and Compression,
G	Modulus of Elasticity in Shear,
ν	Poisson's Ratio,
D	Flexural Rigidity of the Plate $= Eh^3/12(1-\nu^2)$,
C_p	Speed of Wave Propagation along the Surface of the Plate,
α_t	Co-efficient of Linear Expansion,
ρ	Density of the Plate Material,
t	Time Parameter,
T	Linear Period of Vibration of the Plate,
T^*	Non-linear Period of Vibration of the Plate,
ω	Vibration Frequency of the Plate,
A_{oo}	Initial Amplitude of Vibration of the Plate,
$\bar{\beta}$	Non-dimensional Amplitude,
$A, \bar{\alpha}, I_1^m$	Coupling Parameters,
τ_o	Temperature in the Middle Plane of the Plate,
∇^2	Laplacian Operator,

$\beta = w_o/h$ Central Deflection Parameter,

$\lambda = \vartheta^2$ for Simply-Supported Edge Condition of the elastic plate,

$\lambda = 2\vartheta^2$ for Clamped Edge Condition of the elastic plate.
