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## NOMENCLATURE

L	Length of the beam
b	Width of the beam
h	Height of the beam
x,y,z	The Cartesian coordinate system
u,w	Displacements in x and z.
$z_{ns}$	The position of the neutral axis.
C	The distance from the neutral axis to the centerline
E	The modulus of elasticity
$P_M, P_C$	The properties of the metal and ceramic

## Greek symbols

$\sigma_x$	Normal stress
$\epsilon_x$	Deformation.
$\gamma_{xz}$	The distortion
$\tau_{xz}$	Transverse shear stress
$\nu$	Poisson's ratio

## Subscripts

p	Power law index
q	The load distribution.