











































When as commonly more	support conditions for be	eams and frames	
Type of support	Displacement boundary conditions	Force boundary conditions	
z + FREE x.	None	All, as specified	
PINNED	u = 0 w = 0	Moment is specified	
$\begin{array}{c} z \\ c \\ \hline \\ ROLLER \\ (vertical) \end{array} - x \\ \end{array}$	<i>u</i> = 0	Transverse force and moment are specified	-
ROLLER (horizontal)	w = 0	Horizontal force and bending moment are specified	
TXED or CLAMPED	u = 0 w = 0 dw/dx = 0	None specified	[From Reddy, Finite Element Method]



































