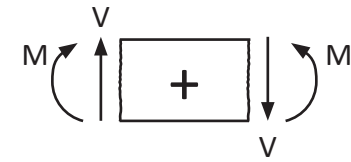


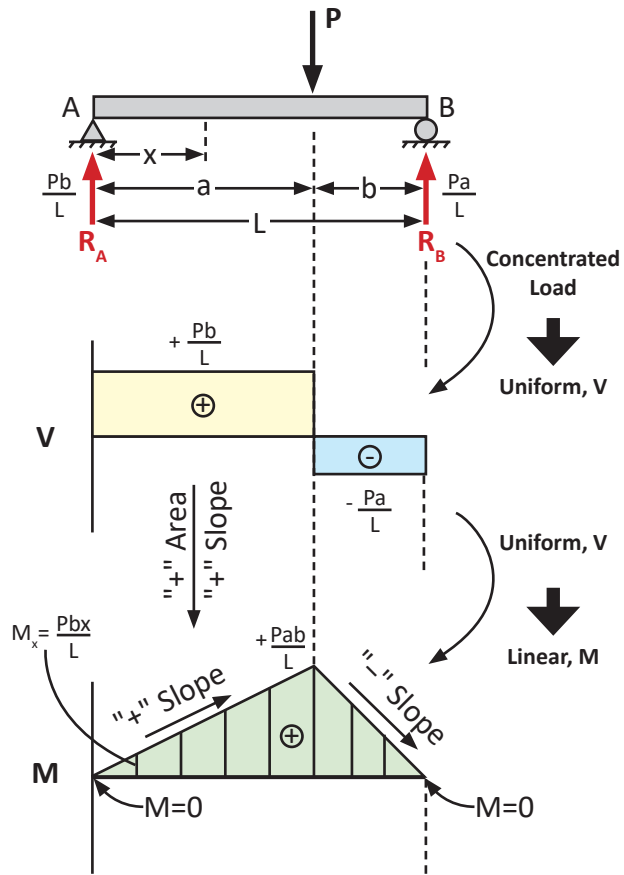
BEAMS



SHEAR & MOMENT DIAGRAM RULES OF THUMB

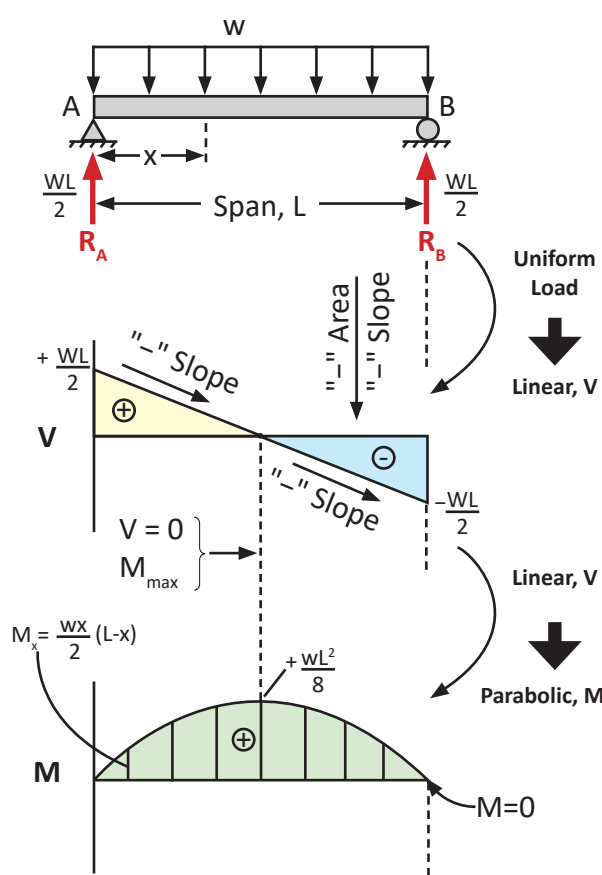


CONCENTRATED LOAD



When Shear V , crosses axis ($V=0$), then local min or max, M

UNIFORM DISTRIBUTED LOAD

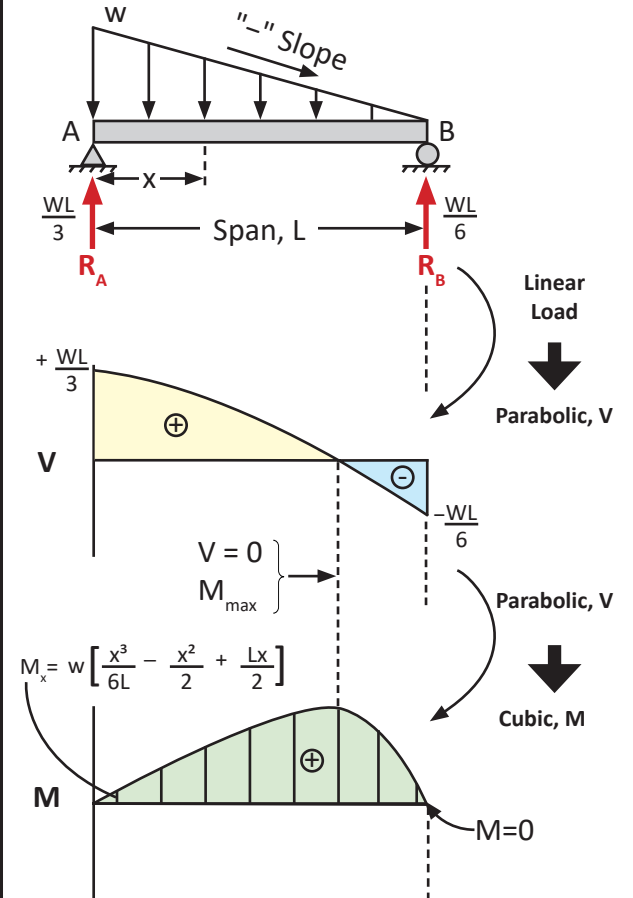


* Note

"-" Slope, $V \Rightarrow$ Concave, M

"+" Slope, $V \Rightarrow$ Convex, M

TRIANGULAR DISTRIBUTED LOAD



* Note

"-" Slope, $w \Rightarrow$ Concave, V

"+" Slope, $w \Rightarrow$ Convex, V