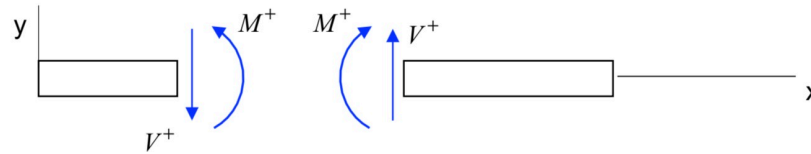


Summary: shear force/bending moment diagrams

SIGN CONVENTIONS:



positive bending moment and shear force at cut in beam

FROM EQUILIBRIUM:

| applied loading | key relationship(s) |
|-----------------|---|
| | $\frac{dV}{dx} = p(x)$ $\frac{dM}{dx} = V(x)$ |
| | $V(x^+) = V(x^-) + P_0$ |
| | $M(x^+) = M(x^-) - M_0$ |