

Section 10.3. Relations Between Distributed Load, Shear Force, and Bending Moment

Note. The functions $P(x)$, $V(x)$, and $M(x)$ satisfy

$$\frac{dP}{dx} = 0, \quad \frac{dV}{dx} = -w, \quad \text{and} \quad \frac{dM}{dx} = V$$

where $w(x)$ is a distributed load.

Example. Page 518 Number 10.45.

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