

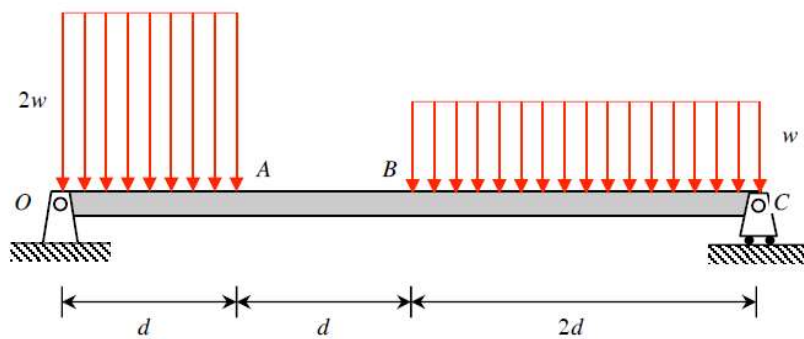
Homework H12.A

Given: The beam is loaded with the distributed load as shown.

Find: Calculate the magnitude and location of the single-force equivalent load.

Use the following parameter values for your work: $d = 2\text{ m}$ and $w = 400\text{ N/m}$.

Fig. PH12A.M270



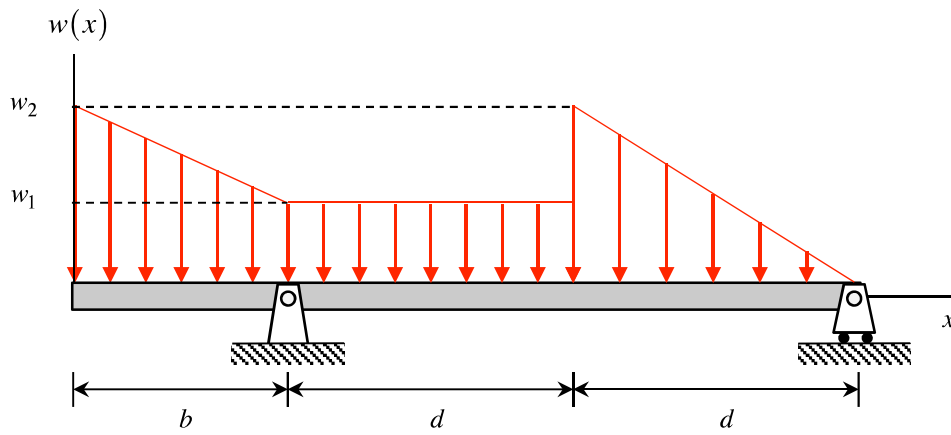
Homework H12.B

Given: The beam is loaded with the distributed load as shown.

Find: Calculate the magnitude and location of the single-force equivalent load.

Use the following parameter values for your work: $b = 6$ ft, $d = 8$ ft, $w_1 = 60$ lb/ft and $w_2 = 100$ lb/ft.

Fig. PH12B.M270



m
not
ne