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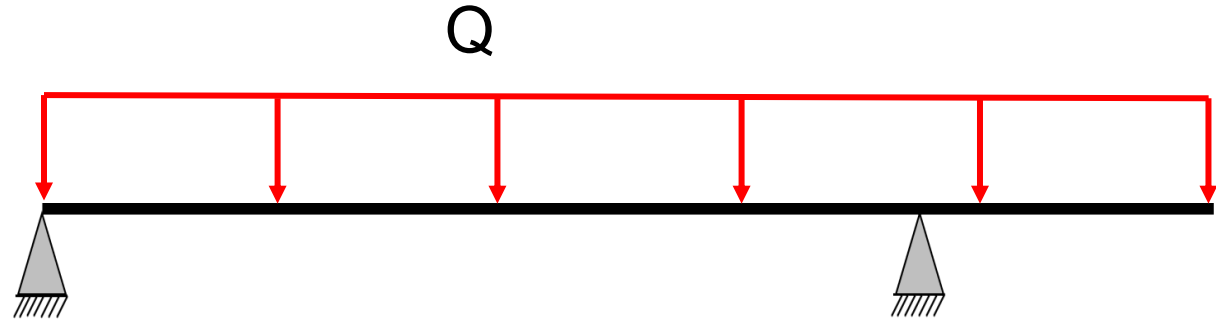
## **Teoría de Estructuras y Construcciones Industriales**

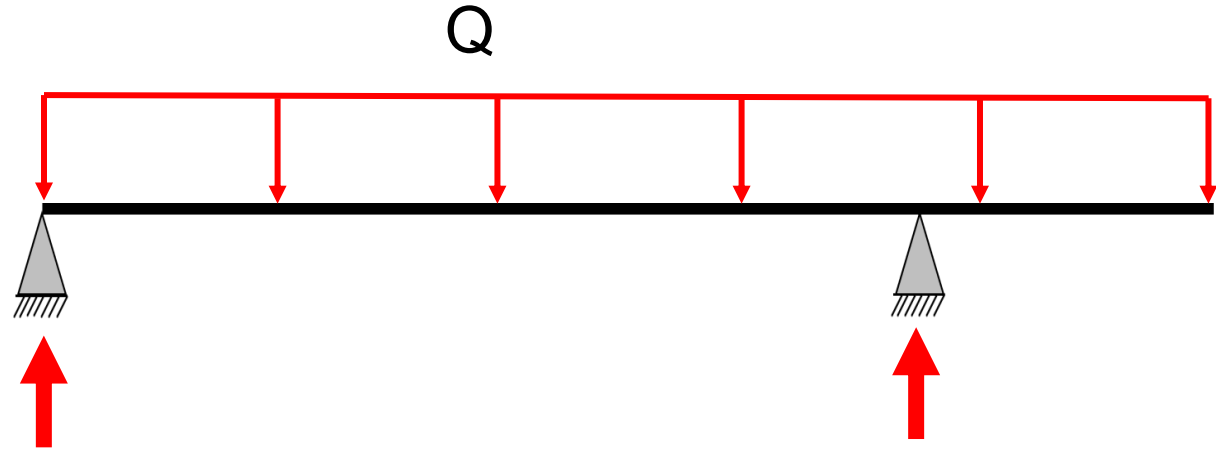
Carlos Santiuste Romero, Sara Garzón Hernández, Liu Jiao Wang,  
Manuel Cuadrado Sanguino, Luis Jiménez Girón, Daniel Herrero Adán

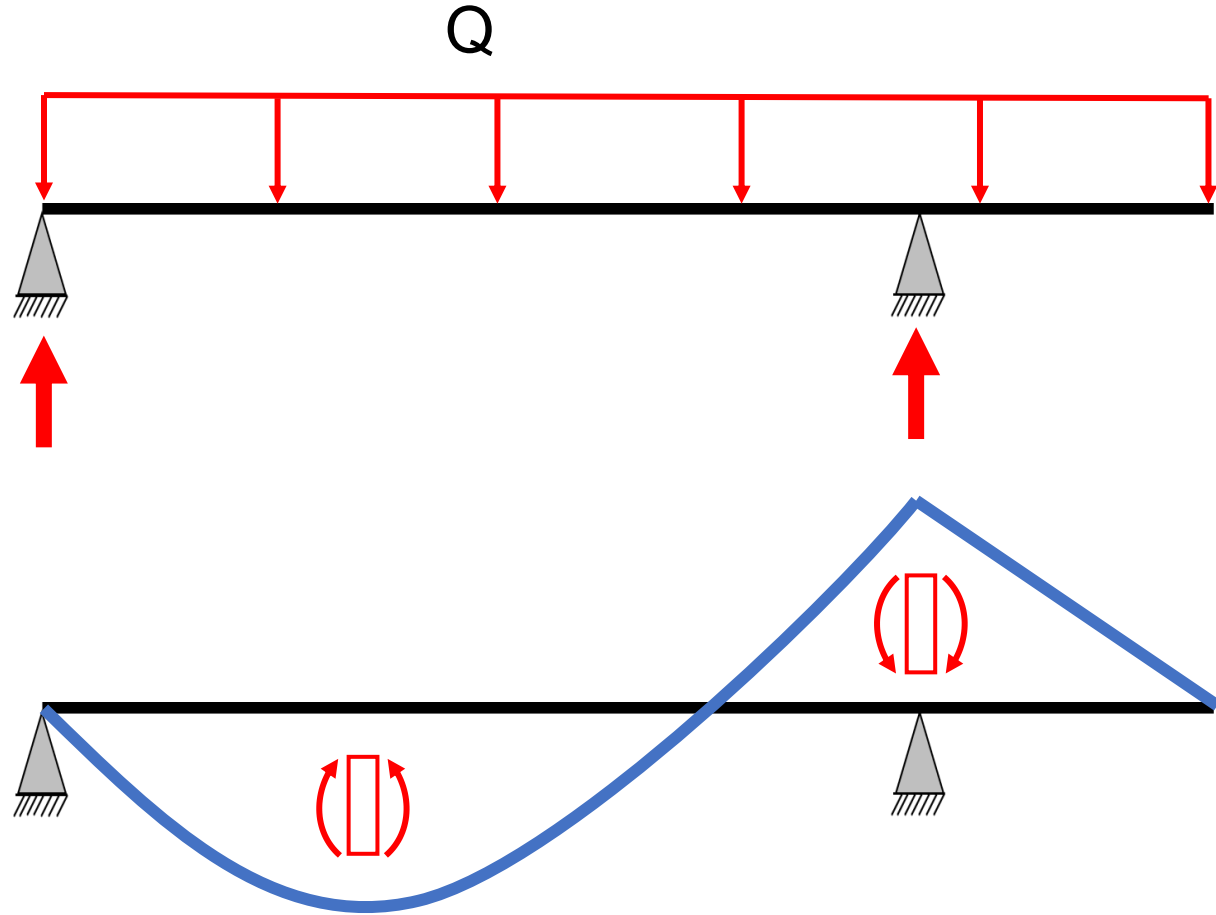
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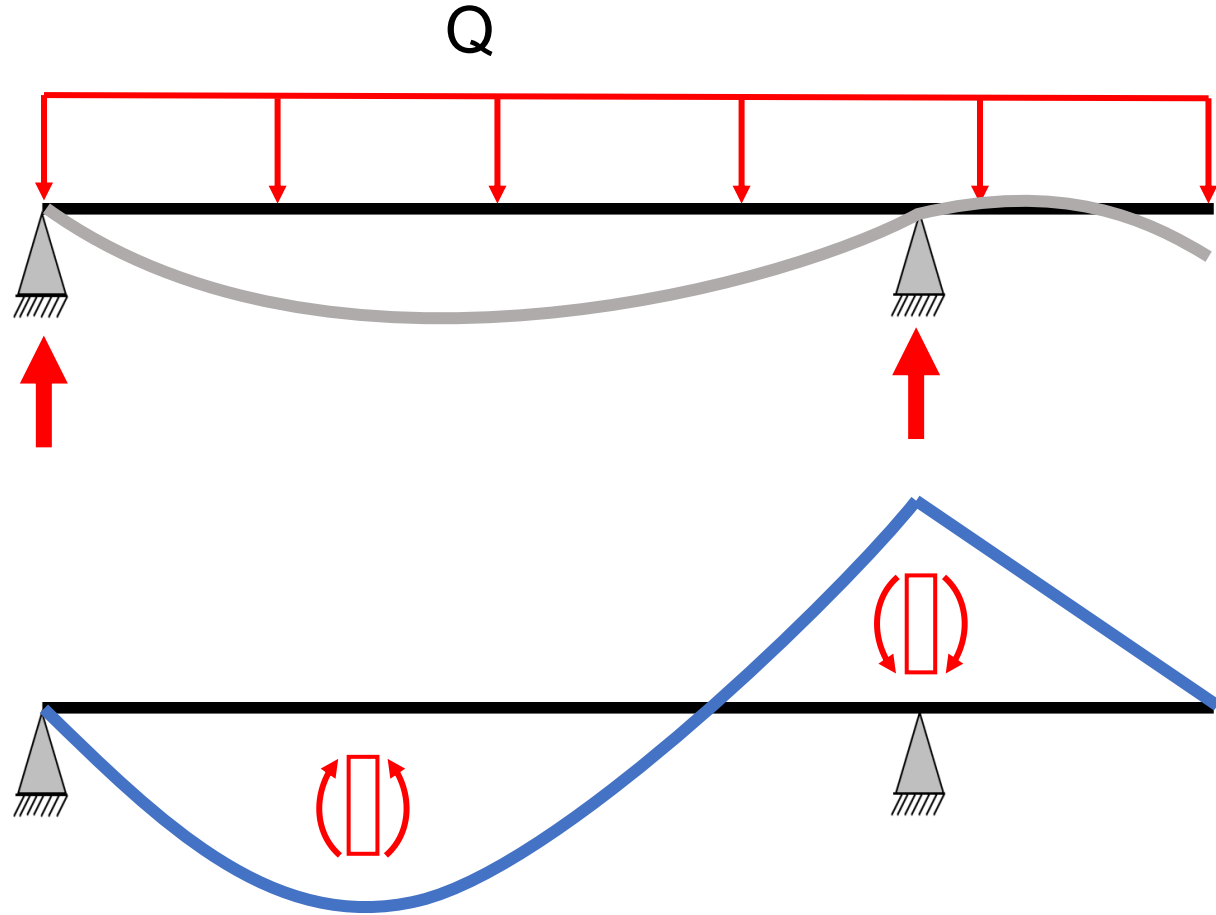
### **Ecuaciones de Navier-Bresse**

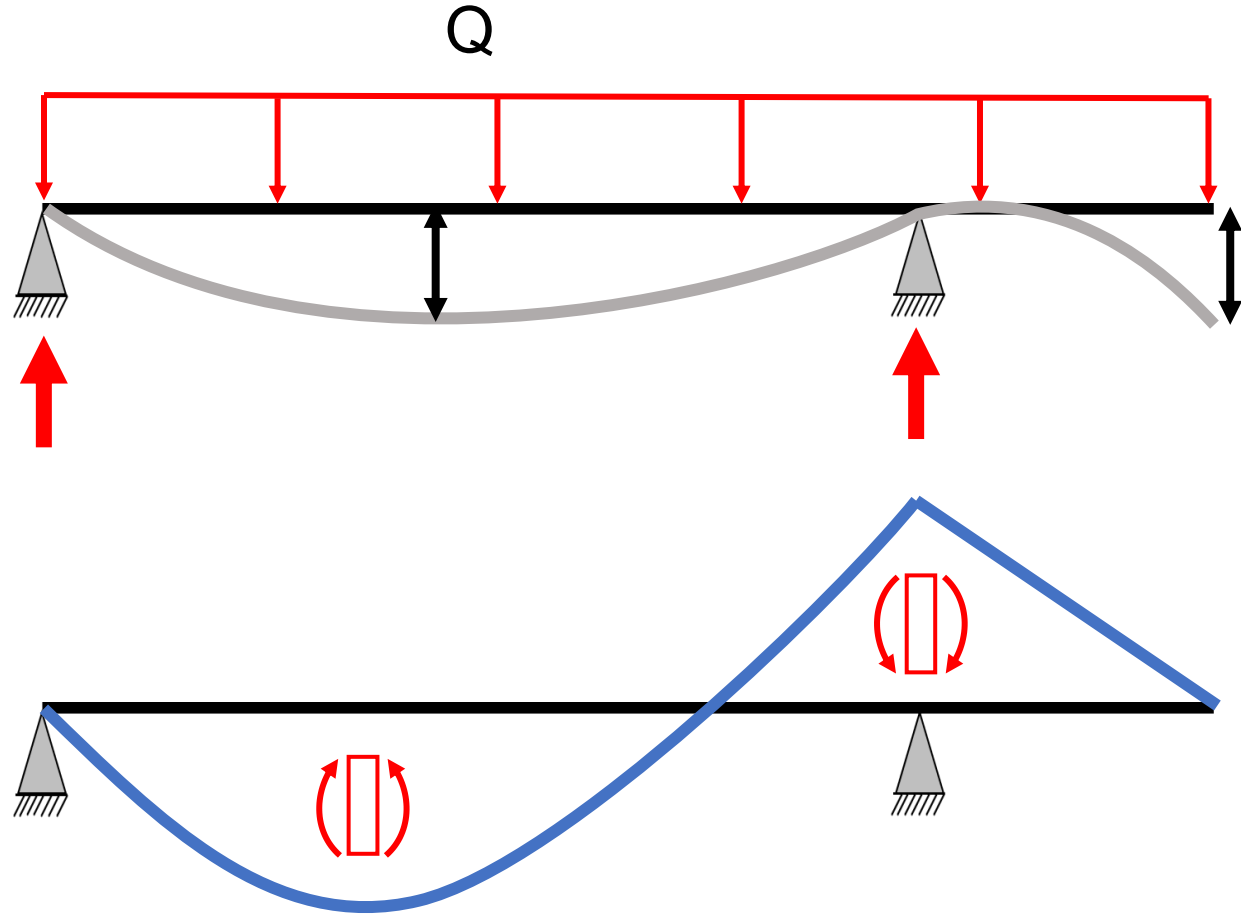


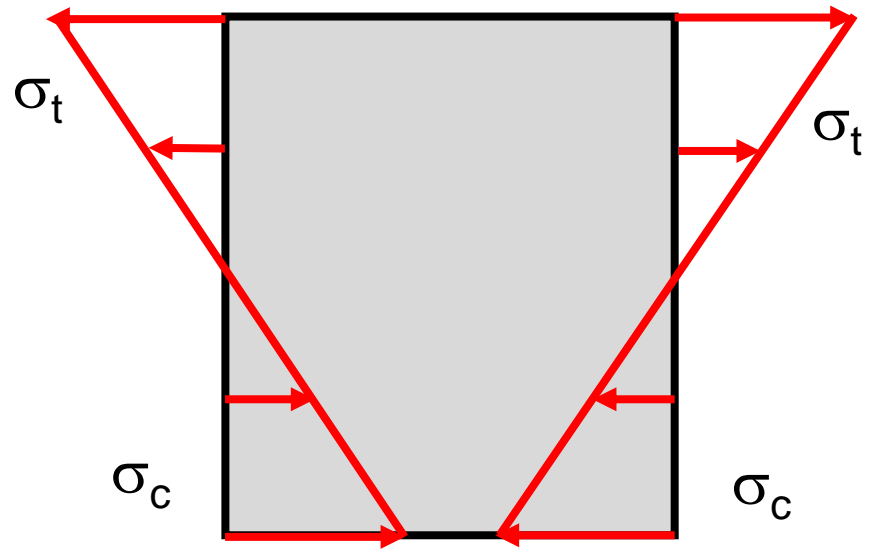


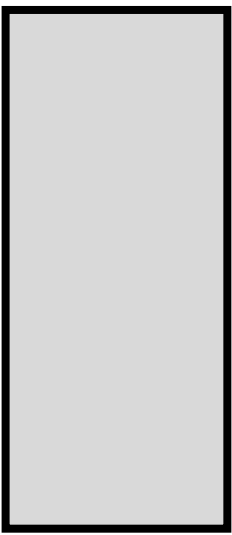
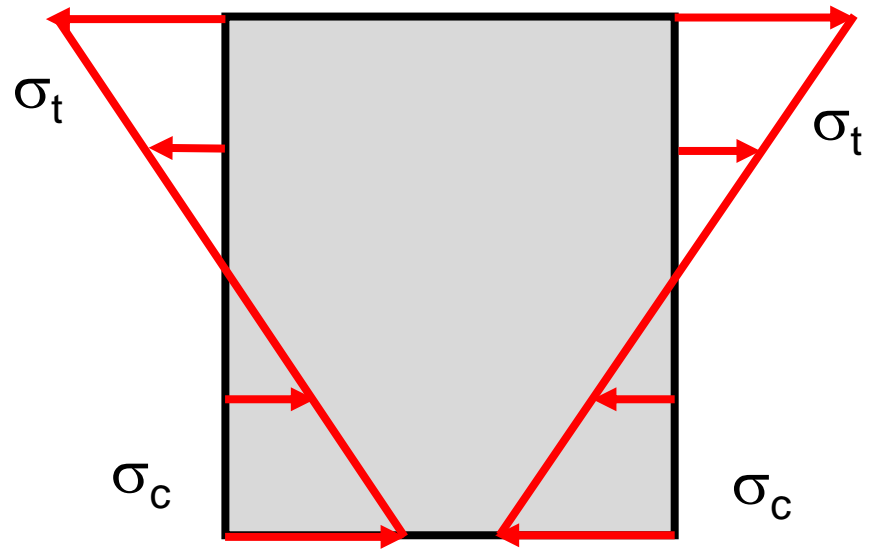




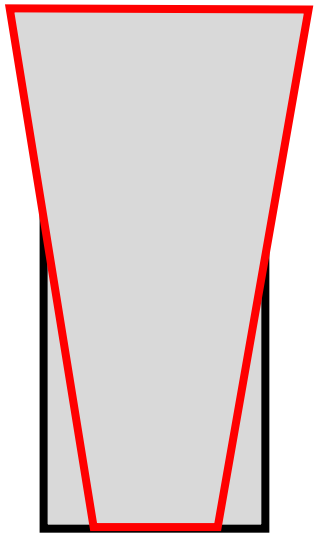
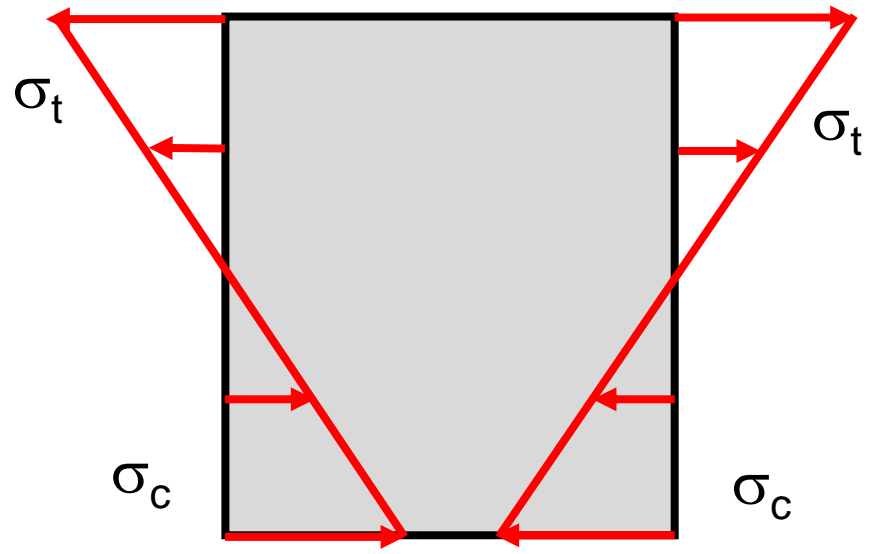












# Claude-Louis Henri NAVIER

1785-1836

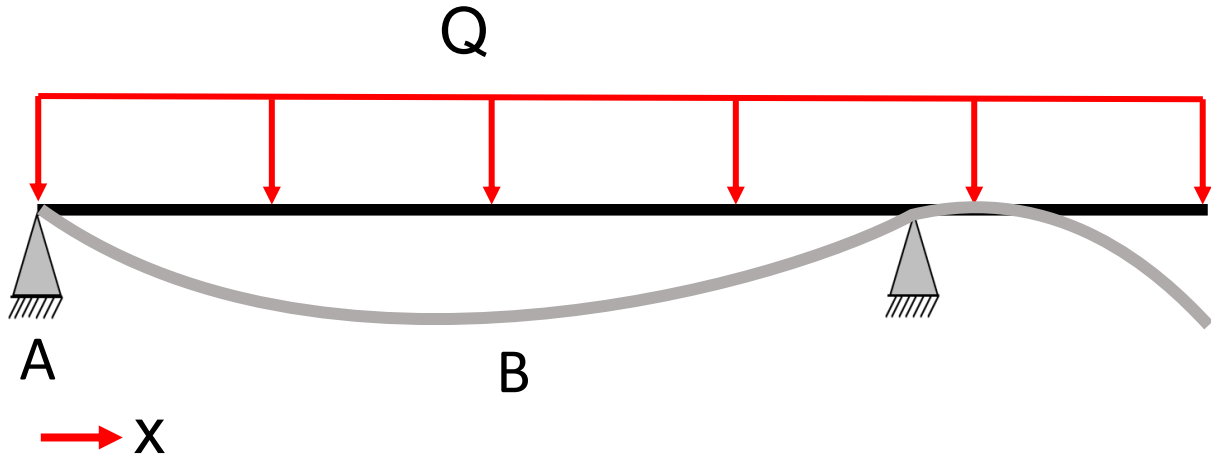


Jacques Antoine Charles BRESSE

1822-1883

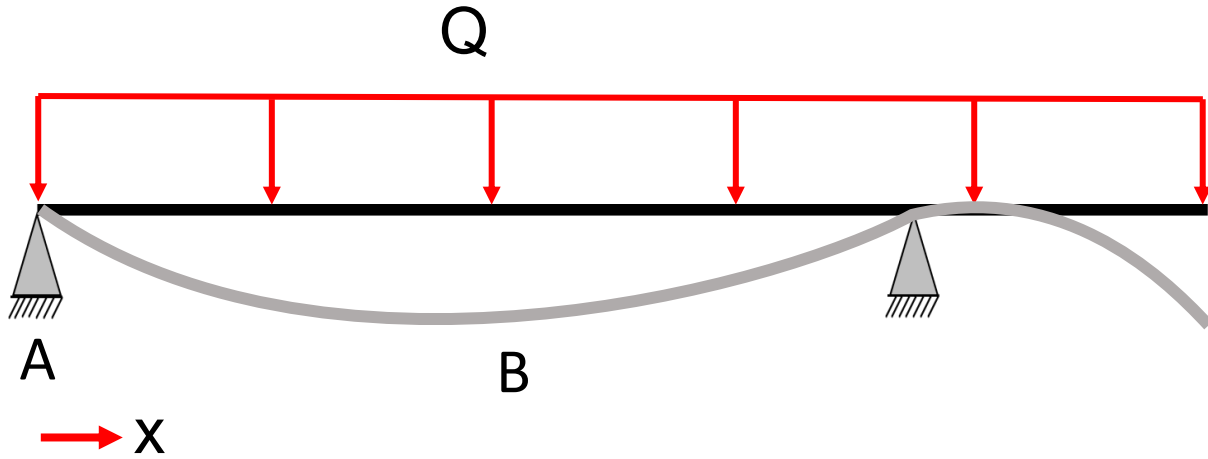


# Ecuaciones de NAVIER-BRESSE



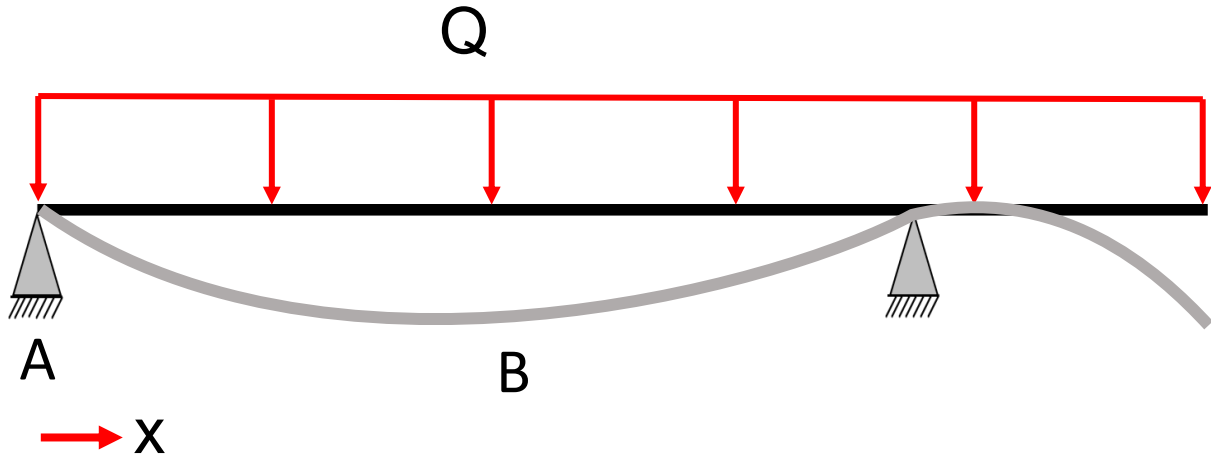
$$\theta_B = \theta_A + \int_A^B \frac{M}{EI} dx$$

# Ecuaciones de NAVIER-BRESSE



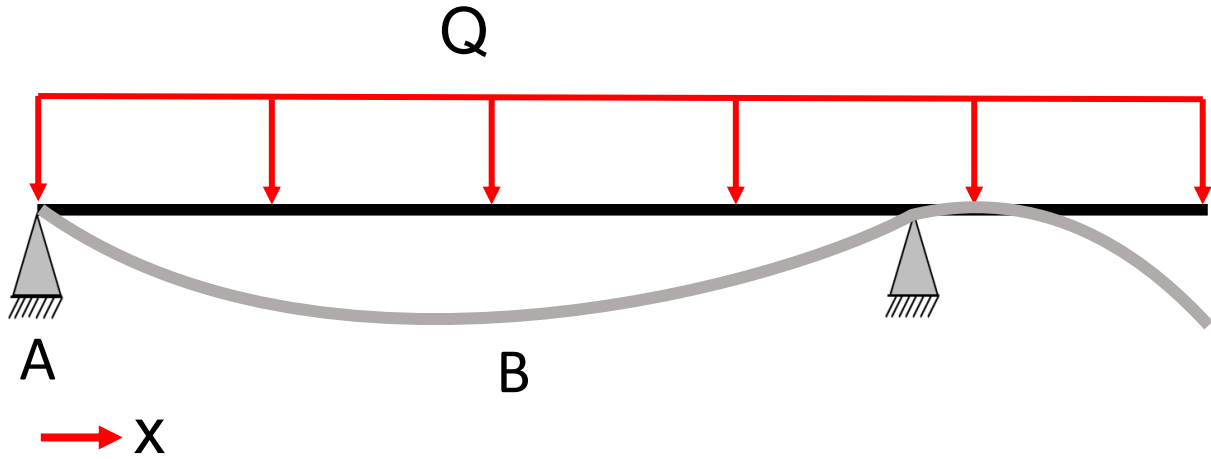
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# Ecuaciones de NAVIER-BRESSE

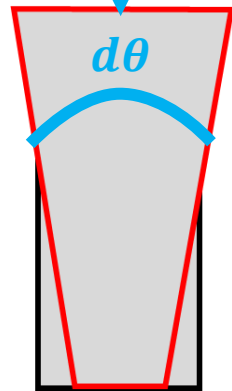


$$\theta_B = \theta_A + \int_A^B \frac{M}{EI} dx$$

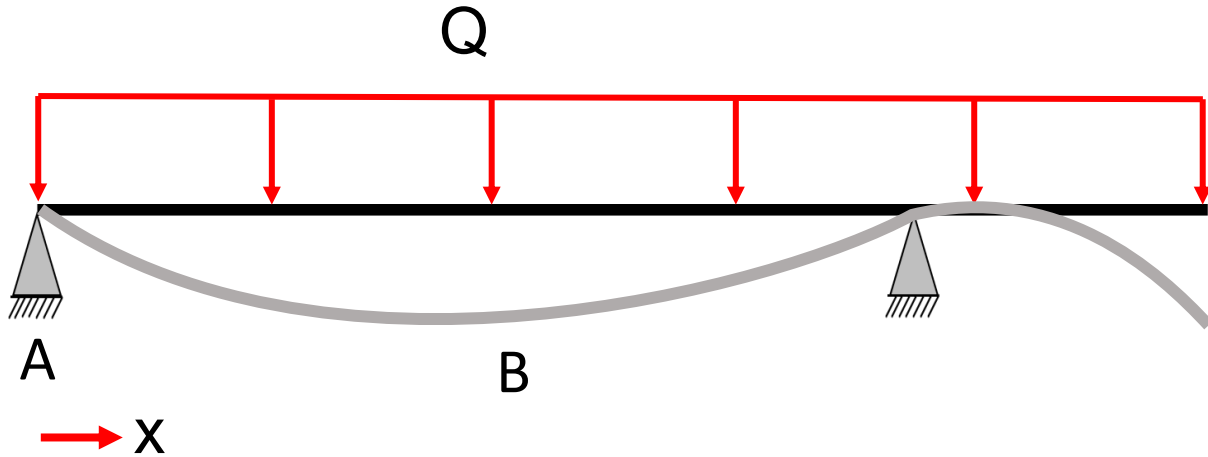
# Ecuaciones de NAVIER-BRESSE



$$\theta_B = \theta_A + \int_A^B \frac{M}{EI} dx$$



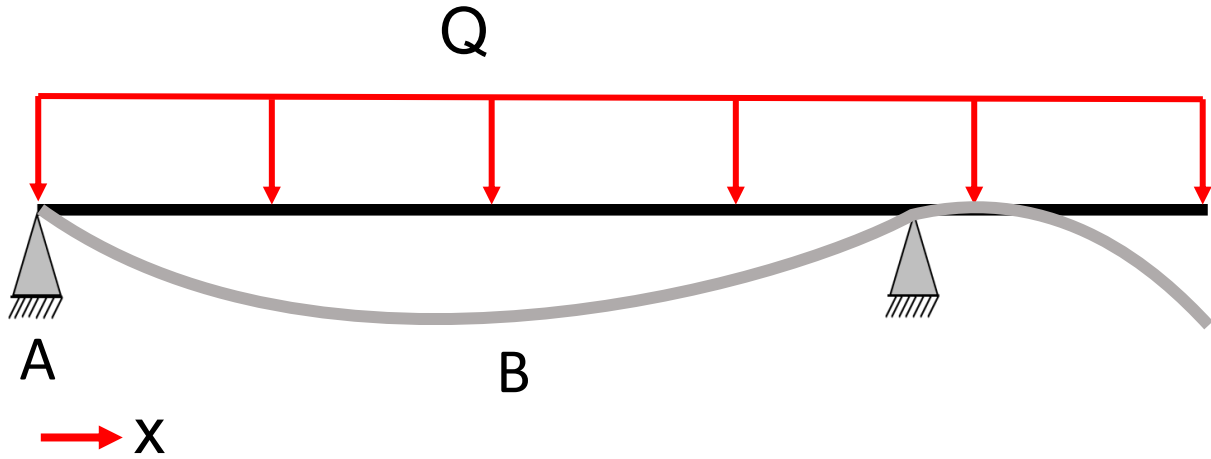
# Ecuaciones de NAVIER-BRESSE



$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$

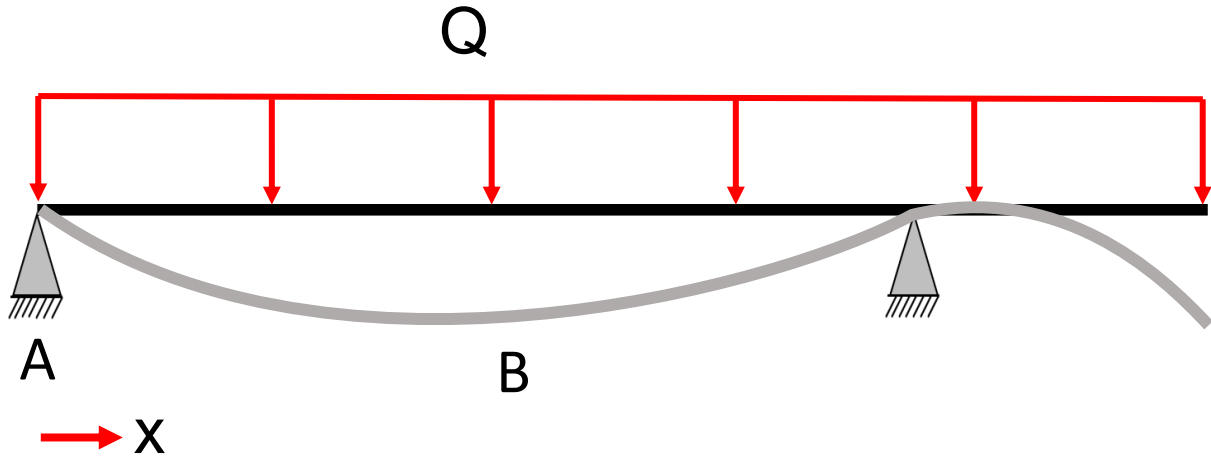


# Ecuaciones de NAVIER-BRESSE



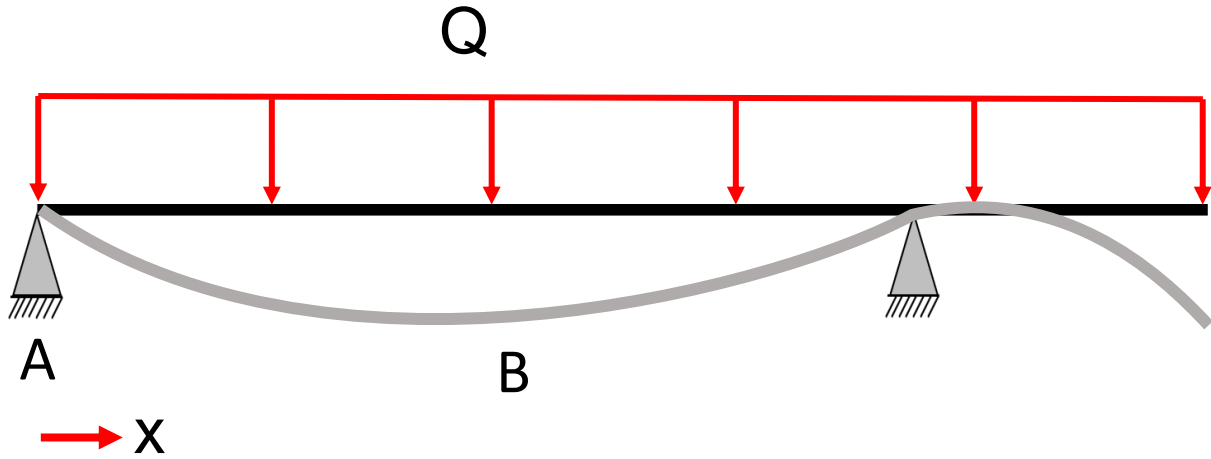
$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$

# Ecuaciones de NAVIER-BRESSE



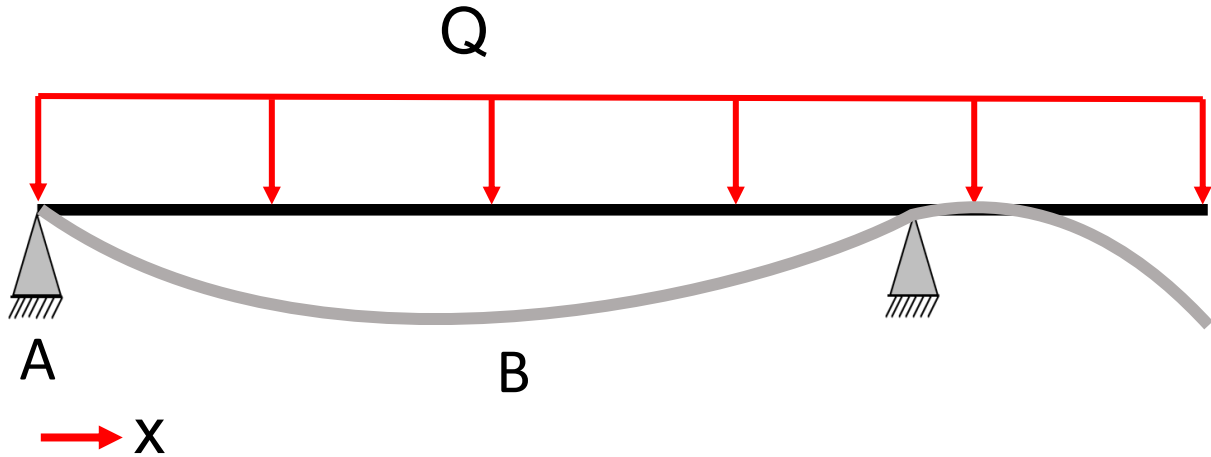
$$v_B = v_A + \theta_A(x_B - x_A) - \int_A^B \frac{M}{EI} (x_B - x) dx$$

# Ecuaciones de NAVIER-BRESSE

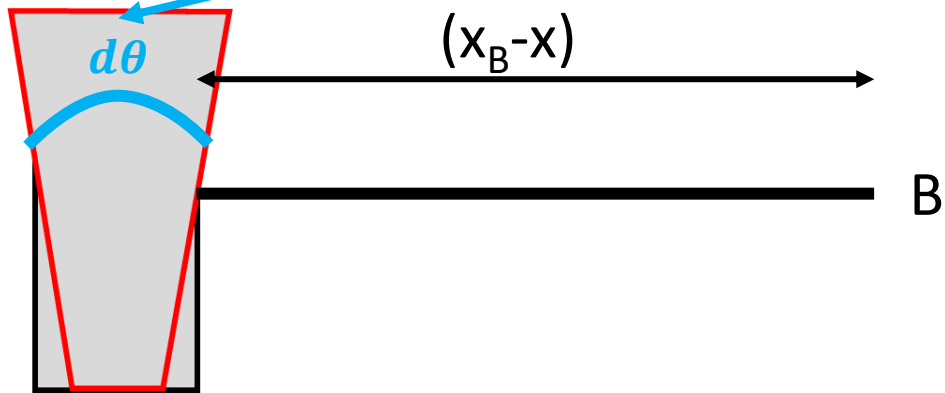


$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$

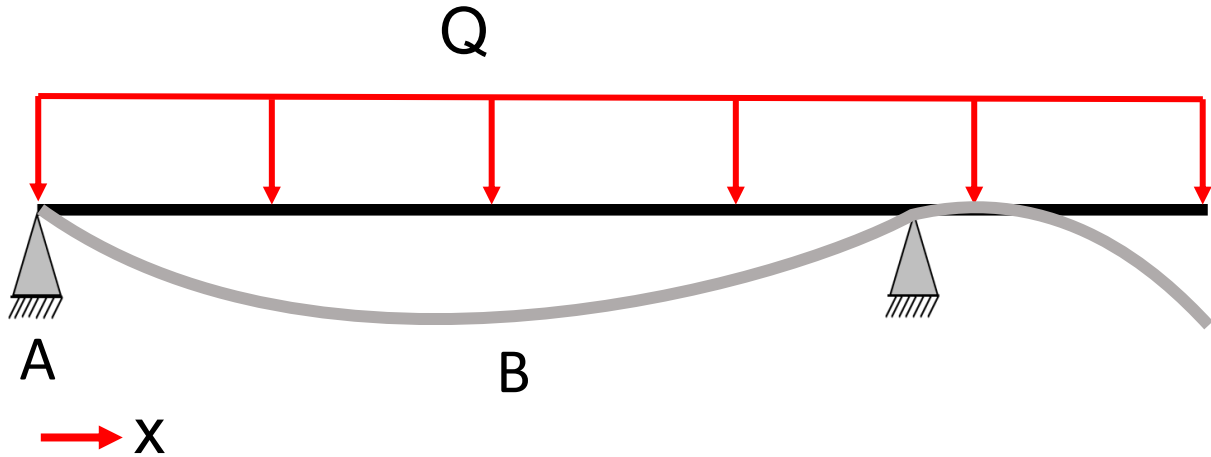
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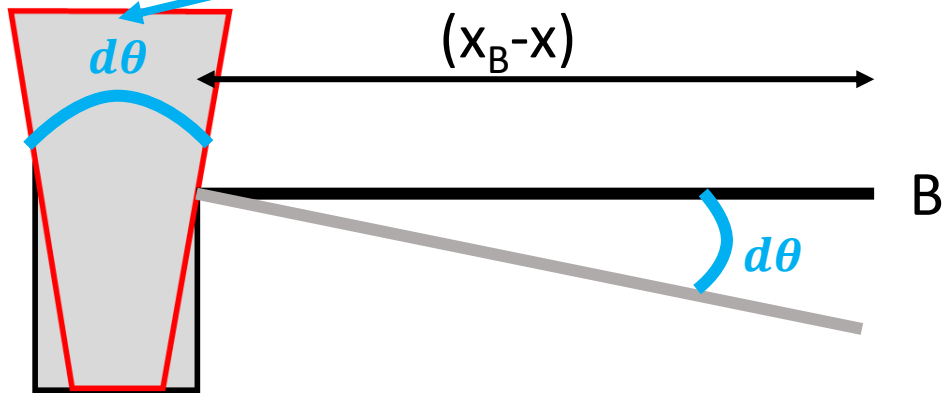
$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$



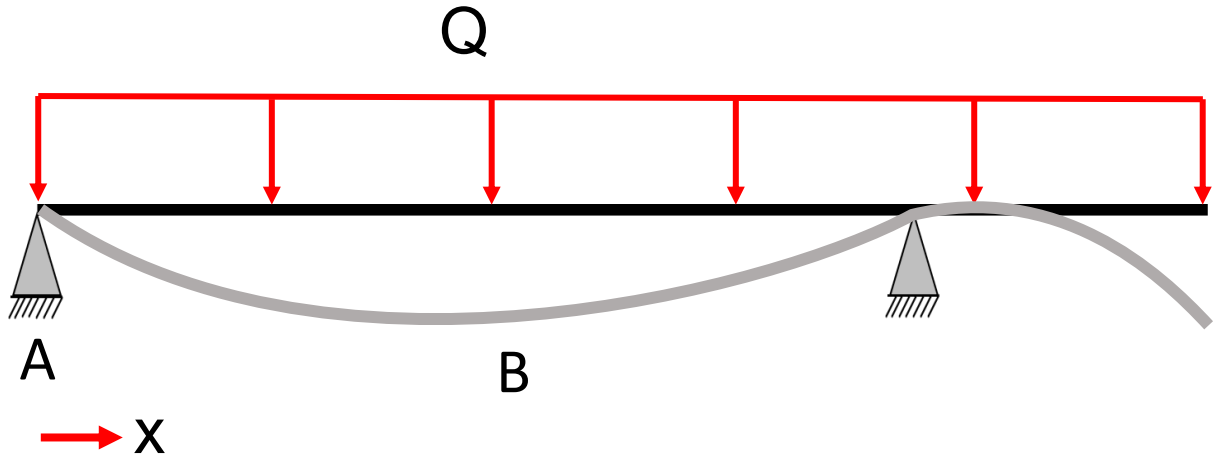
# Ecuaciones de NAVIER-BRESSE



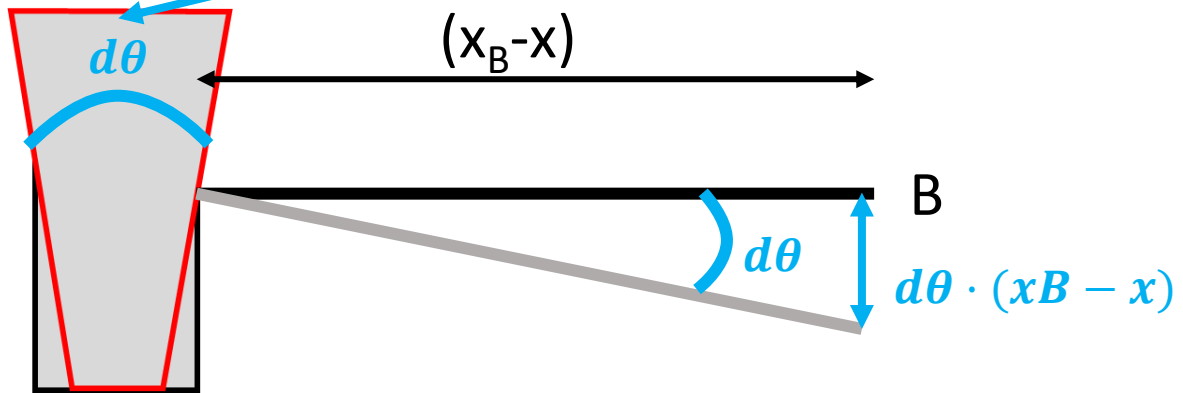
$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$



# Ecuaciones de NAVIER-BRESSE



$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$



# Ecuaciones de NAVIER-BRESSE

$$\theta_B = \theta_A + \int_A^B \frac{M}{EI} dx$$

$$v_B = v_A + \theta_A(x_B - x_A) + \int_A^B \frac{M}{EI} (x_B - x) dx$$



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### **Ecuaciones de Navier-Bresse**

