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[+]- equirep -----
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[+]- isol n2e -----
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## Expression Isolation

Equations

$$\left[ \begin{array}{l} D = 0.5 \cdot \left( \frac{\alpha}{\omega_1} + \beta \cdot \omega_1 \right) \\ D = 0.5 \cdot \left( \frac{\alpha}{\omega_2} + \beta \cdot \omega_2 \right) \end{array} \right]$$

*eq*

Quasi-Symbolic  
solutions

$$\alpha := \text{isol} (eq_1, \alpha) = -\omega_1 \cdot (\beta \cdot \omega_1 - 2 \cdot D)$$

$$\beta := \text{isol} (eq_2, \beta) = -\frac{2 \cdot D \cdot (-\omega_1 + \omega_2)}{(\omega_1 - \omega_2) \cdot (\omega_1 + \omega_2)}$$

Numerical values

$$D := 0.03 \quad \omega_1 := 20.33$$

$$\omega_2 := 61.1$$

Numerical solution

$$\alpha = 0.9153 \quad \beta = 0.0007$$

*Alvaro*