

De gedwongen trilling



$$F_{ext} \sin(\omega t) - k \cdot x - b \frac{dx}{dt} = m \frac{d^2 x}{dt^2}$$

Oplossing= $x = A \sin(\omega t + \varphi)$

$$A = \frac{F_{ext}/m}{\sqrt{(\omega^2 - \omega_0^2)^2 + \left(\frac{b\omega}{m}\right)^2}}$$

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