

FORMULEBLAD**1. SPANNING EN VERVORMING**

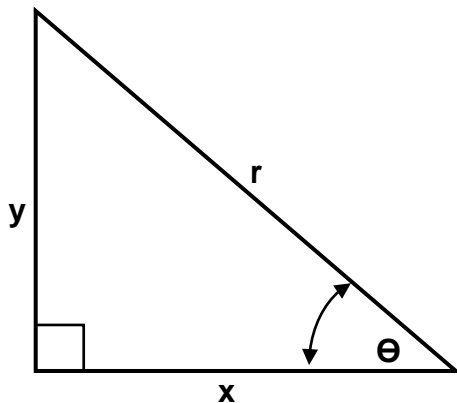
$$1.1 \quad \textit{Spanning} = \frac{\textit{Krag}}{\textit{Oppervlakte}} \quad \textit{of} \quad \sigma = \frac{F}{A}$$

$$1.2 \quad \textit{Young se modulus} = \frac{\textit{Spanning}}{\textit{Vervorming}} \quad \textit{of} \quad E = \frac{\sigma}{\varepsilon}$$

$$1.3 \quad \textit{Spanning} = \frac{\textit{Verandering in lengte}}{\textit{Oorspronklike lengte}} \quad \textit{of} \quad \varepsilon = \frac{\Delta l}{l}$$

$$1.4 \quad A_{\text{as}} = \frac{\pi D^2}{4}$$

$$1.5 \quad A_{\text{pyp}} = \frac{\pi (D^2 - d^2)}{4}$$

2. STELLING VAN PYTHAGORAS EN TRIGONOMETRIE

$$2.1 \quad \sin \theta = \frac{y}{r}$$

$$2.2 \quad \cos \theta = \frac{x}{r}$$

$$2.3 \quad \tan \theta = \frac{y}{x}$$

$$2.4 \quad r^2 = x^2 + y^2 \quad \textit{of} \quad a^2 = b^2 + c^2$$

3. PATRONE EN ONTWIKKELINGS

$$3.1 \quad \textit{Gemiddelde } \varnothing = \textit{Buite-}\varnothing - \textit{Plaatdikte} \quad \textit{of} \\ \textit{Gemiddelde } \varnothing = \textit{Binne-}\varnothing + \textit{Plaatdikte}$$

$$3.2 \quad \textit{Gemiddelde omtrek} = \pi \times \textit{Gemiddelde } \varnothing$$