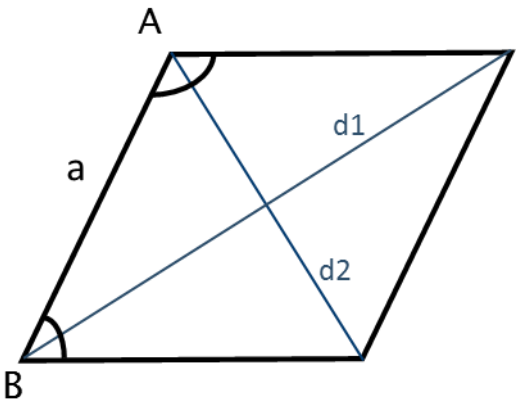
Rhombe 1

O = Omkreds

A-B = Vinkler

d^1-d^2 = Diagonaler

a = Sidelængde



Vinkel A

$$A = 2 \cdot \cos^{-1}\left(\frac{d_2}{2 \cdot a}\right) \qquad A = 2 \cdot \sin^{-1}\left(\frac{d_1}{2 \cdot a}\right) \qquad A = 2 \cdot \tan^{-1}\left(\frac{d_1}{d_2}\right)$$

Vinkel B

$$B = 2 \cdot \sin^{-1}\left(\frac{d_2}{2 \cdot a}\right) \qquad B = 2 \cdot \cos^{-1}\left(\frac{d_1}{2 \cdot a}\right) \qquad B = 2 \cdot \tan^{-1}\left(\frac{d_2}{d_1}\right)$$

Sidelængde a

$$a = \frac{d_2}{\left(\sin\left(\frac{B}{2}\right) \cdot 2\right)} \qquad a = \frac{d_1}{\left(\cos\left(\frac{B}{2}\right) \cdot 2\right)}$$

Rhombe 2

Diagonal 1

$$d_1 = \frac{Areal \cdot 2}{d_2} \qquad d_1 = 2 \cdot \left(a \cdot \sin\left(\frac{A}{2}\right)\right) \qquad d_1 = 2 \cdot \left(a \cdot \cos\left(\frac{B}{2}\right)\right)$$

Diagonal 2

$$d_2 = \frac{Areal \cdot 2}{d_1} \qquad d_2 = 2 \cdot \left(a \cdot \cos\left(\frac{A}{2}\right)\right) \qquad d_2 = 2 \cdot \left(a \cdot \sin\left(\frac{B}{2}\right)\right)$$

Areal

$$Areal = \frac{d_1 \cdot d_2}{2} \qquad Areal = \sin(A) \cdot a^2$$

Omkreds

$$O = 4 \cdot a \qquad O = 4 \cdot \sqrt{\frac{d_1^2 + d_2^2}{4}}$$