



was sieht der Taucher?



Wasser: $n = \frac{4}{3} \approx 1,33$

$$n = \frac{\sin \alpha}{\sin \beta} \quad \alpha = 37^\circ$$

$$\beta = ?$$

Berechnung von β :

$$n = \frac{\sin \alpha}{\sin \beta} \quad | \cdot \sin \beta$$

$$n \cdot \sin \beta = \sin \alpha \quad | : n$$

$$\sin \beta = \frac{\sin \alpha}{n}$$

$$\sin \beta = \frac{\sin 37^\circ}{1,33}$$

$$\sin \beta = 0,4525$$

$$\beta = \sin^{-1} 0,4525$$

$$\beta = 26,90^\circ$$

