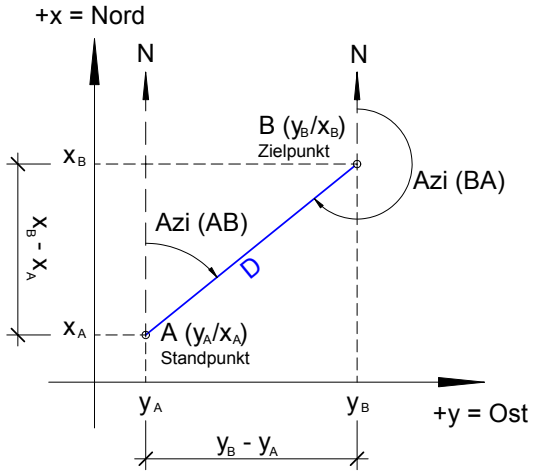
Zusammenfassung: **Azimut, Koordinaten**



Azimutberechnung:

$$\tan(Azi(AB)) = \frac{y_B - y_A}{x_B - x_A} \qquad \rightarrow \text{Azi (AB)}$$

$$Azi(BA) = Azi(AB) + 200^g$$

Distanz $\overline{AB} = \sqrt{(y_B - y_A)^2 + (x_B - x_A)^2}$

	Bereich	$\beta = \tan^{-1}\left(\frac{\Delta y}{\Delta x}\right)$	**Azimut**
+Δy +Δx	$0^g < Azi < 100^g$	positiv	β
+Δy -Δx	$100^g < Azi < 200^g$	negativ	$200^g + (-\beta)$
-Δy -Δx	$200^g < Azi < 300^g$	positiv	$200^g + \beta$
-Δy +Δx	$300^g < Azi < 400^g$	negativ	$400^g + (-\beta)$

Koordinaten:

$$y_B = y_A + D \cdot \sin(Azi(AB))$$
$$x_B = x_A + D \cdot \cos(Azi(AB))$$