Current Triangle

NauticTools2 – report of 22.10.2026, 14:36

Input

Course over ground (COG)	**068°**
Speed through water (STW)	**4.5 kn**
Current direction (CD)	**125°**
Drift (Dr)	**2 kn**

Current Triangle



Result

Course through water (CTW)	**046°**
Speed over ground (SOG)	**5.3 kn**
Current correction angle (CCA)	**21.9°**

Calculation

Auxiliary angle sine	*Dr/STW · sin(CD − COG)*	**0.3727**
Course through water (CTW)	*COG − asin(auxiliary angle sine)*	**046°**
Current correction angle (CCA)	*COG − CTW*	**21.9°**
Speed over ground (SOG)	$\sqrt{(STW^2 + Dr^2 + 2 \cdot Dr \cdot STW \cdot \cos(CTW - CD))}$	**5.3 kn**