• Supplementary File •

Sea-surface Reflection-aided Underwater Localization with Unknown Sound Speed

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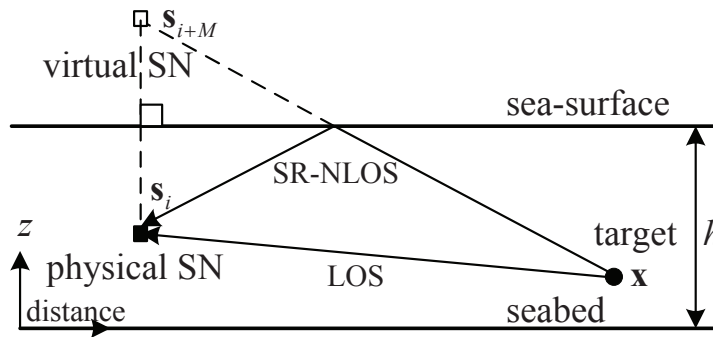
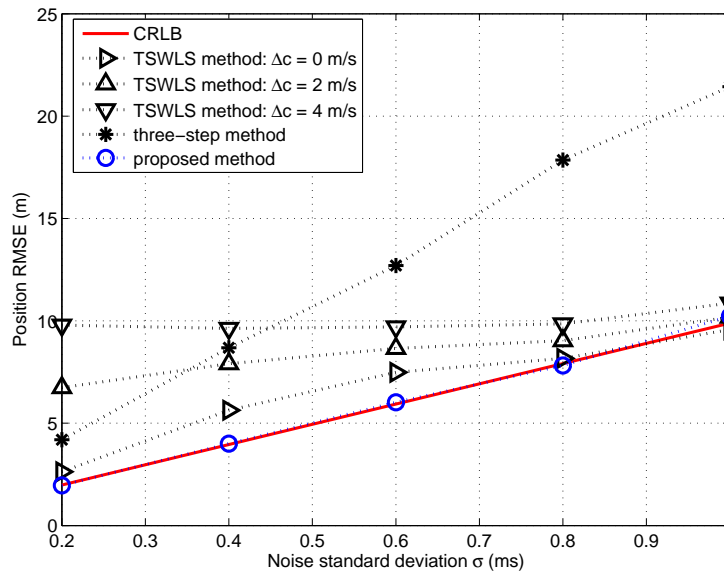**Figure 1**   Illustration of the SN-target geometry in the z-distance plane.

Figure 2   Comparison of the localization RMSE performance versus measurement noise standard deviation σ.

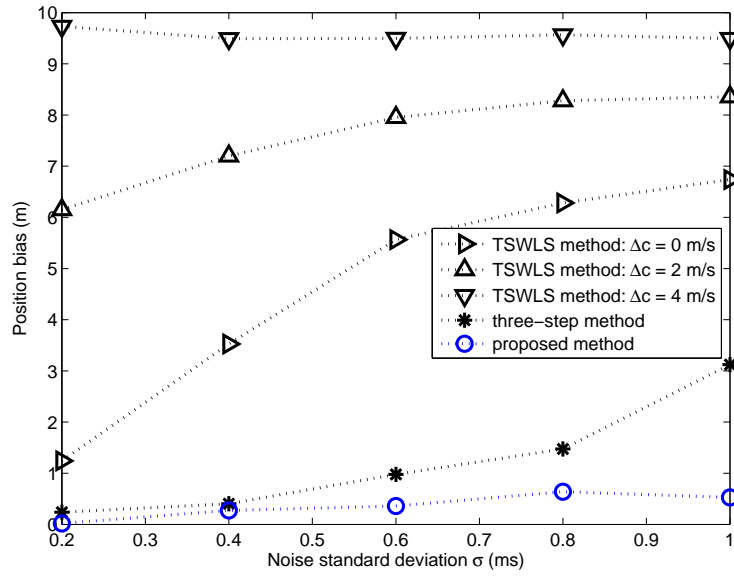* Corresponding author (email: zbbzb@nudt.edu.cn.com)

Figure 3   Comparison of the localization bias performance versus measurement noise standard deviation σ.
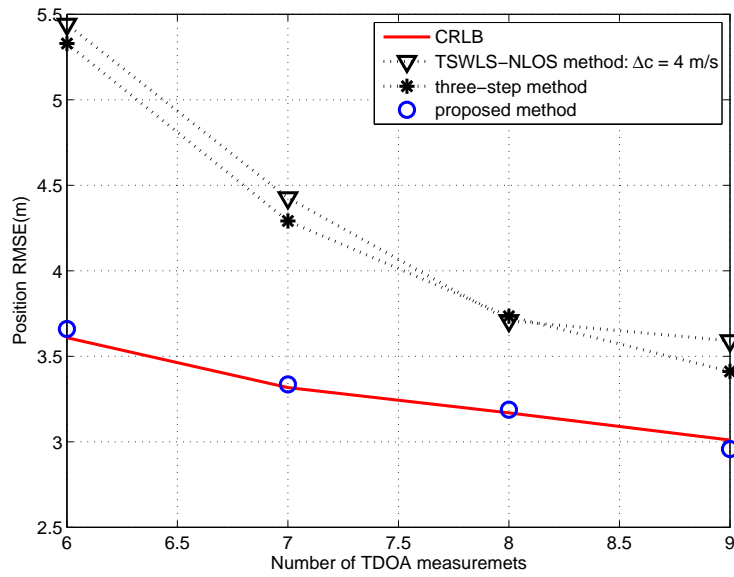

Figure 4   Comparison of the localization RMSE performance versus the number of TDOA measurements.