

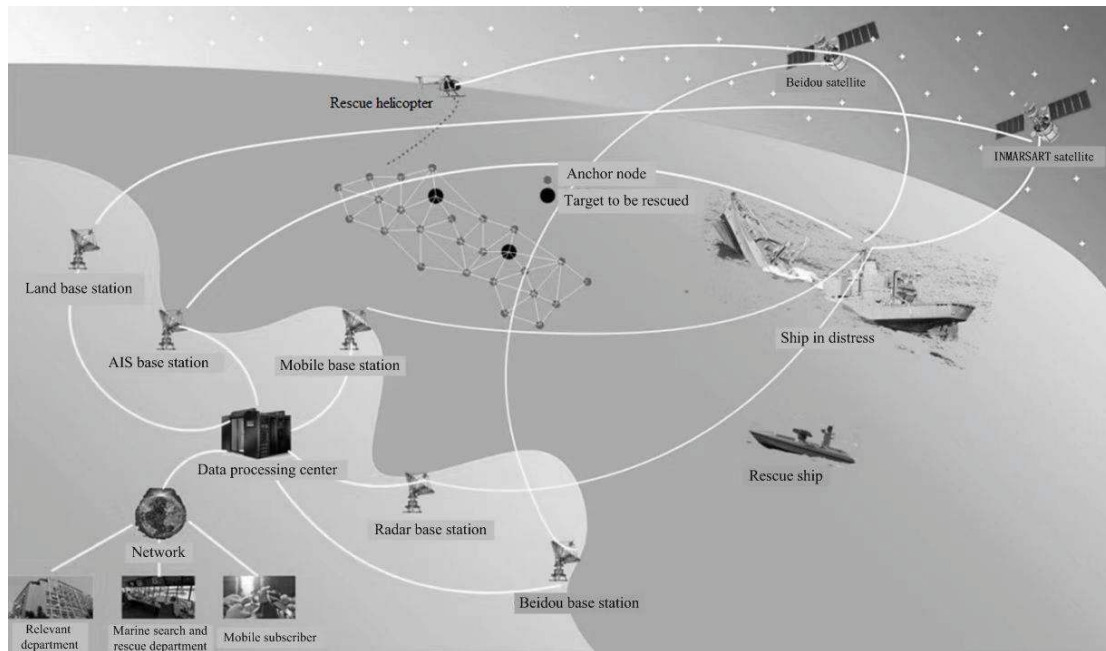


Figure 1

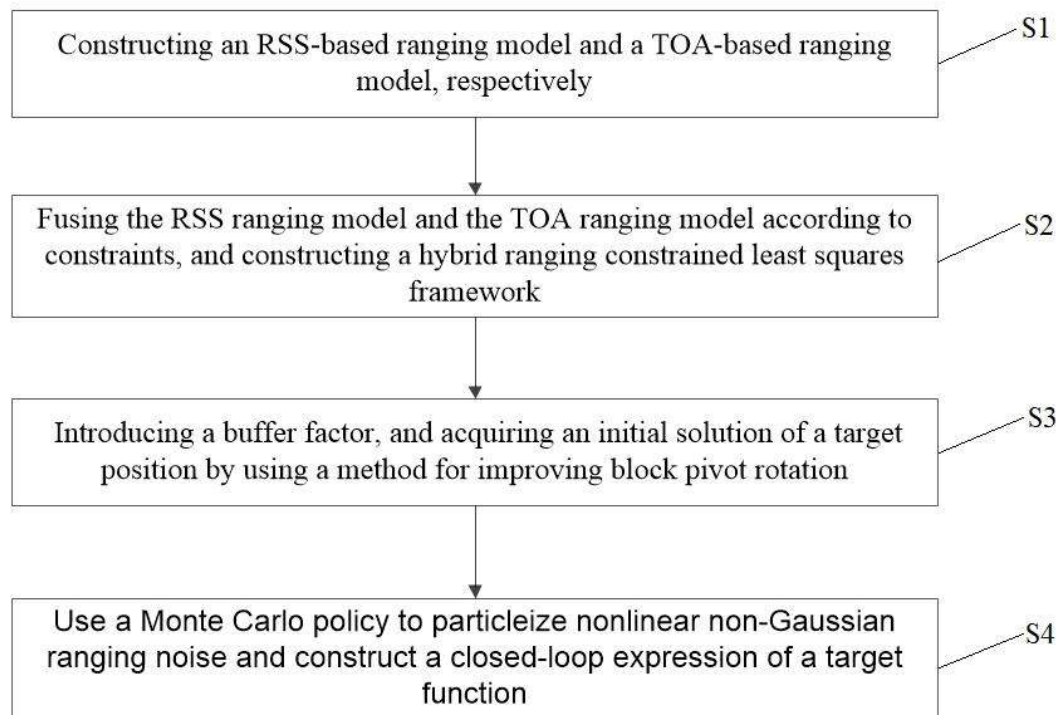
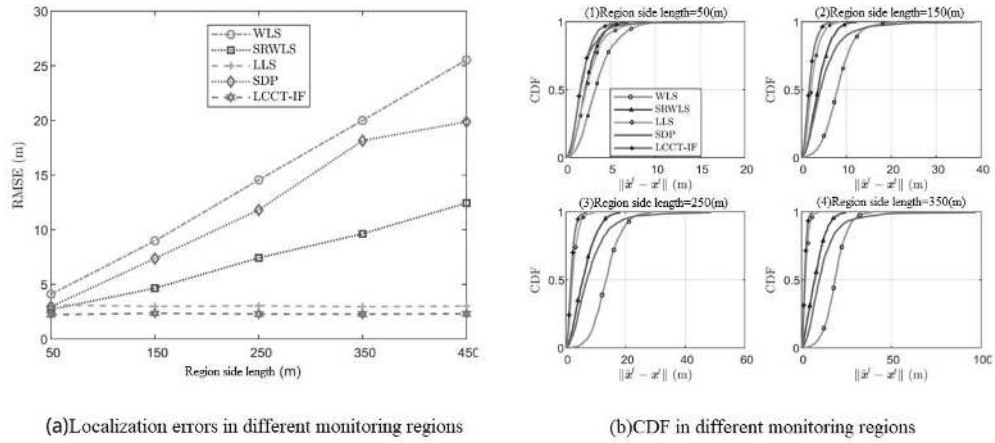


Figure 2

Localization algorithm for improving block pivot rotation

1. Initialization: $\kappa = \emptyset, g = \{1,2,3\}, \xi = 0, \Psi = -(A^t)^T B^t, \varphi = 3, \beta = M + 1$
 2. Calculate a complementary basic solution $(\xi_\kappa, \Psi_\varphi)$ according to equation (8) and equation (9)
 3.While $(\xi_\kappa, \Psi_\varphi)$ is an infeasible solution) do
 4.Acquiring set Γ according to equation (10)
 5.If $|\Gamma| < \beta$, then $\beta = |\Gamma|$, $\varphi = 3$, $R = \Gamma$
 6.If $|\Gamma| \geq \beta$ and $\varphi \geq 1$, then $\varphi = \varphi - 1$, $R = \Gamma$
 7.If $|\Gamma| \geq \beta$ and $\varphi = 1$, define R as equation (12)
 8.Update $\mathcal{K}$ and $\mathcal{G}$ according to equation (11)
 9.Update ξ_κ and Ψ_φ according to equation (8) and equation (9)
 10. ...End while
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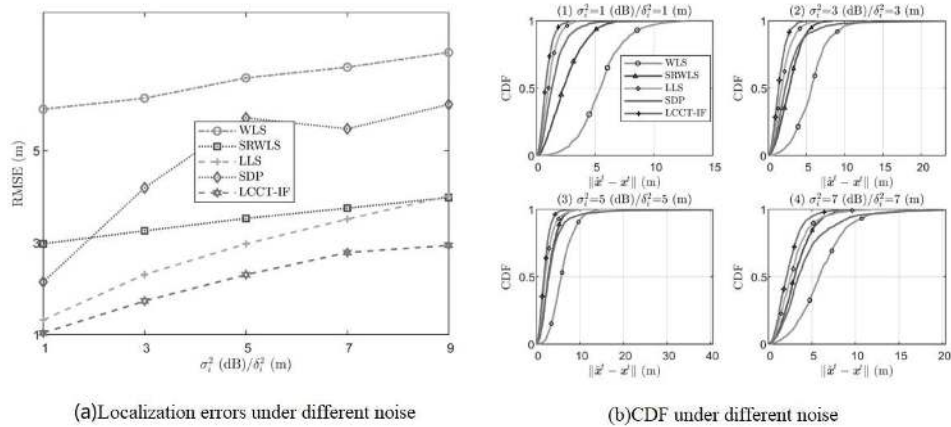
Figure 3



(a) Localization errors in different monitoring regions

(b) CDF in different monitoring regions

Figure 4



(a) Localization errors under different noise

(b) CDF under different noise

Figure 5