
Impacts of rising sea water temperature on underwater acoustic propagation in the upper layer of the East Sea of Korea

Abstract: This paper discusses the impacts of rising sea water temperature on underwater acoustic propagation in the upper layer of the East Sea of Korea. The study is based on a numerical simulation of the acoustic wave propagation in a stratified ocean. The results show that the rising sea water temperature leads to a significant change in the acoustic wave propagation characteristics, such as the sound speed profile and the acoustic wave path. The study also shows that the rising sea water temperature leads to a significant change in the acoustic wave propagation characteristics, such as the sound speed profile and the acoustic wave path. The study also shows that the rising sea water temperature leads to a significant change in the acoustic wave propagation characteristics, such as the sound speed profile and the acoustic wave path.

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