Distant Bottom Reverberation in Shallow Water (PDF)

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Title: Distant Bottom Reverberation in Shallow Water

作者: 杨士莪

Author(s): Shi-e Yang

College of Underwater Acoustic Engineering, Harbin Engineering University, Harbin

150001, China

关键词: shallow water; bi-static bottom reverberation; spatial correlation of reverberation

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摘要: Abstract: The method of coupled mode is introduced for investigation of bi-static

distant bottom reverberation of impulsive source in shallow water, which will not

contradict with principle of reciprocity in all cases. And the method of multi-pole for $% \left(1\right) =\left(1\right) \left(1\right)$

directional source is also introduced. It shows that in case of layered medium,

intensity of bi-static bottom reverberation will decease according to the cubic

power of receiving time t, and the transverse spatial correlation of bottom

reverberation is a little greater than longitudinal correlation for equal separation of

receivers, and both vary in form with the receiving time.

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备注/Memo: -

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