

# The Remote Registration of Hydroacoustic Signals from Point Source by the Seismoacoustic Field

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## Summary

In this paper one of the kinds of the interaction between hydrophysical and seismoacoustic fields on the ocean floor is considered. Done in natural conditions, experiments on generation of hydroacoustic signals in the shelf region and registration seismoacoustic waves, which are excited in the result of the interaction mentioned above by the laser strainmeters located on shore are described. For a theoretical study of these processes method of elastodynamic Green's function is proposed. Some results of numerical modeling are given. They show agreement with experiments. Thus the theory and modeling method, described in this paper, may be useful for investigations of interaction in the sea-land system.