

Grigor'eva, N. S.

The field of a point monochromatic sound source in the stratified ocean perturbed by a large scale flow. (Russian. English summary) [Zbl 0615.76108](#)

Zap. Nauchn. Semin. Leningr. Otd. Mat. Inst. Steklova 156, 49-60 (1986).

For general system of hydrodynamic equations the method of normal modes in the case of a point sound source in stratified ocean perturbed by a current is advanced. The comparison with analogous results for the case of quasi-potential equation gives the possibility to estimate the effect of replacement of generalized equation of state by approximating the state equation.

MSC:

[76V05](#) Reaction effects in flows

[76Q05](#) Hydro- and aero-acoustics

[86A05](#) Hydrology, hydrography, oceanography

Cited in 1 Review

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