



Abstract View

[Volume 5, Issue 3 \(July 1975\)](#)

Journal of Physical Oceanography

Article: pp. 541–548 | [Abstract](#) | [PDF \(404K\)](#)

Internal Wave Dispersion Calculated Using the Thomson-Haskell Method

Myron Fliegel and Kenneth Hunkins

Lamont-Doherty Geological Observatory and Department of Geology, Columbia University, Palisades, N.Y. 10964

(Manuscript received September 10, 1974, in final form February 25, 1975)

DOI: 10.1175/1520-0485(1975)005<0541:IWDCUT>2.0.CO;2

ABSTRACT

The dispersion and amplitude characteristics of internal wave motion are determined by a matrix method which lends itself readily to computer analysis. A layered density structure may be chosen to fit actual oceanic conditions. The method is shown to have good agreement with a simple analytical solution. Dispersion and amplitude characteristics have been determined for two typical oceanic sites, one in the Arctic Ocean and one in the Atlantic.

Options:

- [Create Reference](#)
- [Email this Article](#)
- [Add to MyArchive](#)
- [Search AMS Glossary](#)

Search CrossRef for:

- [Articles Citing This Article](#)

Search Google Scholar for:

- [Myron Fliegel](#)
- [Kenneth Hunkins](#)

top ▲



© 2008 American Meteorological Society [Privacy Policy and Disclaimer](#)
 Headquarters: 45 Beacon Street Boston, MA 02108-3693
 DC Office: 1120 G Street, NW, Suite 800 Washington DC, 20005-3826
amsinfo@ametsoc.org Phone: 617-227-2425 Fax: 617-742-8718
[Allen Press, Inc.](#) assists in the online publication of AMS journals.