

Horizontal Eddy-Viscosity Coefficients in the Baltic Sea

by

Andrzej Jankowski

Institute of Oceanology, Polish Academy of Sciences, Powstancow Warszawy 55, 81-712
Sopot

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Summary. On the basis of current velocity measurements, the values of horizontal eddy-viscosity coefficients calculated by the Ertel method and Kolmogorov formula have been compared. The variability of coefficients depending on the spatial scale of turbulence and its agreement with "4/3" Richardson law as well as with the energy spectrum and exchange coefficients for Ozmidov model of turbulence have been discussed. The possibility of interpretation of the minimum on spectral power densities of current velocities in the Baltic Sea has also been considered.