SPATIAL INHOMOGENEITY OF BIOLOGICAL FIELDS IN THE TROPIC ZONE OF THE INDIAN OCEAN: STRUCTURE, DYNAMICS AND RELATION

Summary

Hydrophysical and biological fields in the tropic zone of the Indian Ocean are considered for their statistical spatial characteristics obtained by data from expeditions of the Ukrainian SSR Academy of Sciences for 1980-1985. Calculation of the spatial autocorrelation functions of the fields has shown that contribution of the spatial variability of the subnetted scale is pronounced much more strongly in the structure of biological fields than in that of hydrophysical ones (biomass of phyto-, mesoplankton and flying fish, temperature, salinity are studied). The fields are shifted relative to each other by inhomogeneity of the correlation spatial structures.

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NEW OBSERVATIONS ON EUTROPHICATION IN THE LYONS BAY RELATED TO THE NUTRIENT SUBSTANCES BROUGHT BY THE RHONE

Summary

Nutrient salts being in the Rhone water are considered for the process of their dilution in the sea. The presence of these salts makes it possible to estimate the extent of the zone where dilution occurs.