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Pak S.Y. (packsa@iacp.dvo.ru)

Institute of Automation and Control Processes

MODEL ESTIMATES OF THE PHYTOPLANKTON REPRODUCTION VOLUME WITH REGARD FOR CLIMATE VARIABILITY IN THE AREA OF THE WESTERN KAMCHATKA SHELF

The paper studies the model of phytoplankton vertical distribution in a fixed water column. The model is based on the concept of the fitness function. The paper also examines the use of the remote-sensed data for the assessment of the bioresource potential in the designated water geographic area.

Keywords: mathematical model, spline interpolation, phytoplankton, biomass, satellite, remote sensing.

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