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Investigation of wind-wave interaction in the inland reservoirs and in the coastal zones of ocean

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Inland and coastal zones of the ocean due to some of their features - shallow depth, limited dispersal, different water parameters and some others, are different from the open ocean characteristics of the wind field, waves and currents. Widely used oceanographic models of wind waves and algorithms of recovery characteristics of wind and wave fields are built for the open ocean. For inland reservoirs and coastal zones of the ocean required clarification known and development new models.
Statistical parameters of the rough surface of the water and the surface layer of the atmosphere were obtained by contact measurements carried out using the sensors located on the buoy station based on an Froude oceanographic buoy. The wind speed was measured at four levels by two-component ultrasonic sensors. According to the obtained velocity profiles the aerodynamic drag coefficient was calculated Water surface waves were recorded by the system of three string wave gages so the three-dimensional spectrum of surface elevation was obtained.
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