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**ПРОСТРАНСТВЕННАЯ ИЗМЕНЧИВОСТЬ ПРИБРЕЖНЫХ ТЕЧЕНИЙ  
И РАСПРЕДЕЛЕНИЕ БЕНТОСНЫХ СООБЩЕСТВ**

**Spatial variability of coastal currents and  
benthic communities' distribution.**

**Abstract.** The research and the analysis of spatial distribution of the benthic communities are executed in water area of the Kruglaja Bay (Omega, Sevastopol). Acknowledgement of influence of unsteadiness and big variability of coastal currents system on formation of congestions of bottom animals on a sea-bottom in a coastal zone has been received by factors analysis (MVA). High values of the abundance and the biomass of mass zoobenthic species were registered in the area of low values of speed for vertical component of coastal currents. The spatial distribution of the two benthic communities corresponded to heterogeneity of the field of the coastal currents formed under the influence of vertical components of speed in the investigated water area of the Bay.

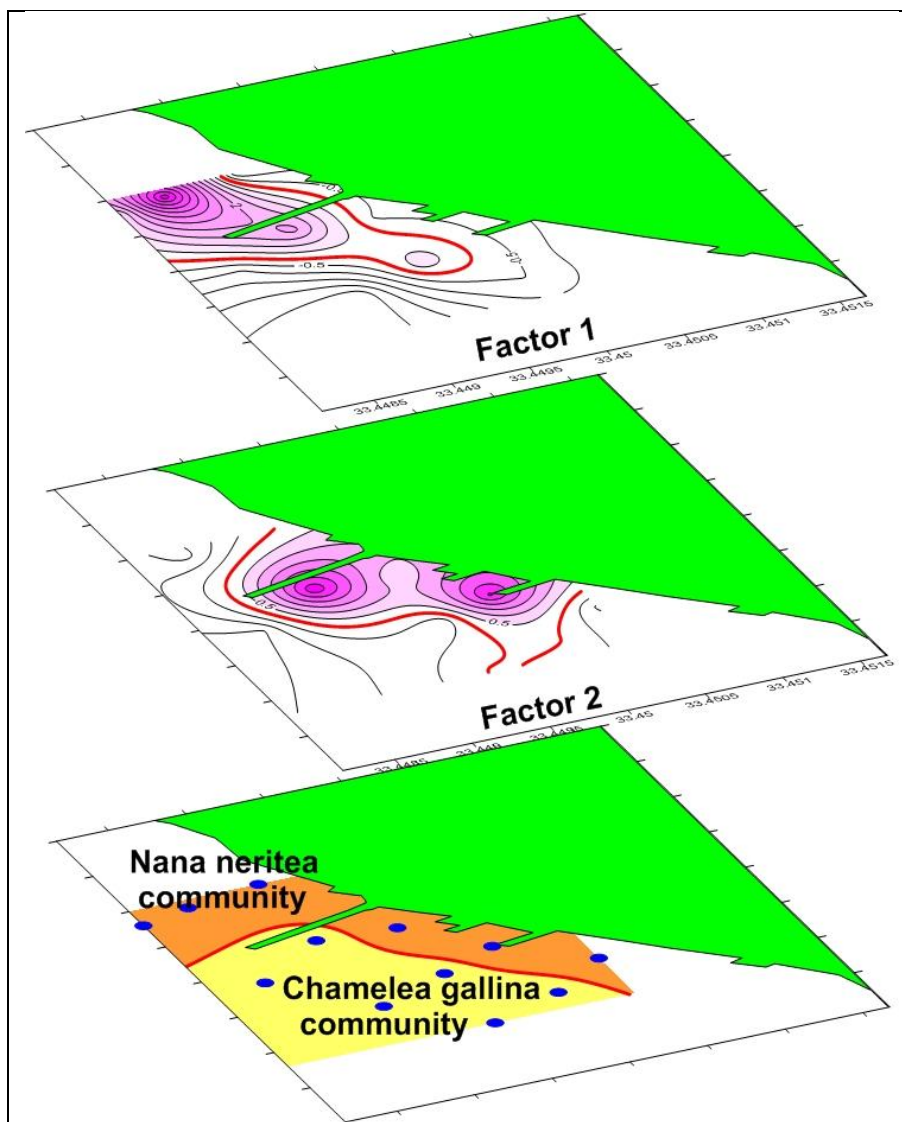


Figure 7. Spatial distribution of benthic communities and the impacts of complex factors (factors 1 and 2) that characterize the variability of the vertical component of the speeds of coastal currents.