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Titolo	Physical and Mathematical Modeling of Earth and Environment Processes—2022 : Proceedings of 8th International Scientific Conference-School for Young Scientists / / edited by V. I. Karev
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Descrizione fisica	1 online resource (X, 646 p. 277 illus., 180 illus. in color.)
Collana	Springer Proceedings in Earth and Environmental Sciences, , 2524-3438
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Soggetti	Geotechnical engineering Geology Geophysics Petrology Geotechnical Engineering and Applied Earth Sciences
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preliminary study of the opportunity to predict changes in rock samples inner structure caused by triaxial loading based on stress-strain relationship -- Estimates of the periodicity of atmospheric blockings over Kazakhstan in the spring-summer time according to ERA 5 reanalysis data -- Relations of interannual variability of topography of water surfaces of oceanic regions with solar activity on the example of Black and Azov seas -- Filtration of salt solutions taking into account the Osmotic effect -- Investigation of features of water circulation in the northern part of the Black Sea on the basis of the assimilation of observational data in the autumn-winter season of 2016 -- Propagation of tsunami waves in a T-shaped bay -- The Features of Simulation of Radar Altimeter Return Waveform Using Hermite Polynomials -- Abnormal Statistics of Sea Waves -- Emission of nanoparticles during loading rock salt -- Retrospective analysis methods in the study of the existence of anomalous processes in geodynamic systems.
Sommario/riassunto	The book presents short papers of participants of the 8th International Scientific Conference-School for Young Scientists "Physical and

Mathematical Modeling of Earth and Environment Processes" (Ishlinsky Institute for Problems in Mechanics of the Russian Academy of Sciences). The book includes theoretical and experimental studies of processes in the atmosphere, oceans, the lithosphere and their interaction; environmental issues; problems of human impact on the environment; methods of geophysical research.