## "MODERN ENDOGENOUS REGIMES AND EVOLUTION OF THE EARTH'S CRUST OF UZBEKISTAN"

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## ABSTRACT

This paper presents the results of the modeling of the modern endogenous regimes of the earth's crust in Uzbekistan. They were based on a tectonic basis in the form of classification of the earth's crust according to a complex of five features, which included information about the modern structure and state of the crust. Based on the results of comparing this tectonic base with the thresholds of modern endogenous regimes, a formalized map of the modern endogenous regimes of the earth's crust in Uzbekistan was compiled. In the study area, the following are distinguished: three subclasses of the platform regime - with hot, with warm, and with cold crust; orogenic regimes - the first, second, and third stages; superimposed regimes - taphrogen on the second and third stage orogen. The data obtained made it possible to analyze modern endogenous processes occurring in the earth's crust and its evolution at the present stage.

**KEYWORDS:** Classification, Cluster Analysis, Modern Endogenous Regimes, Orogen, Taphrogen, Asthenosphere, Heat Flow, Isostatic Anomalies Of Gravity, Crust, Mantle.

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