

МОДЕЛЬ ТЕКТОНО-МАГМАТИЧЕСКИХ ПРОЦЕССОВ
**MODEL OF THE TECTONIC AND MAGMATIC PROCESSES
IN THE KLYUCHEVSKOY GROUP OF VOLCANOES BASED ON
GEOLOGICAL AND GEOPHYSICAL DATA**

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The authors introduced a model of the tectonic magmatic processes in the Klyuchevskoy group of volcanoes based on the local seismic tomography, the analysis of the seismic peculiarities, geodynamic modeling, and the results from other geological and geophysical investigations. The paper describes interaction between the different tectonic faults and rising magma. The investigation revealed that the development of volcanism results in change in structure and composition of the earth's crust and causes its thinning.

Keywords: Klyuchevskoy group of volcanoes, tectonics, velocity anomalies, deformation, stress.