MAGMA CHAMBER AS A PROPERTY OF THE EARTH CRUST

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This paper proves the hypothesis of a constant and independent of the volcanic process thickness of the magma chamber as a property of the Earth crust. This idea is based on the most common distributions describing volcanic eruptions (recurrence curves, the squares, volumes of erupted material). The hypothesis is discussed in relation with the concept of block geomedium and its wave geodynamic movements.

Keywords: magma chamber, Earth crust, block, caldera, Moho.