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Future view of the research on prediction of volcanic eruptions and structure of volcano

Tsuneomi Kagiya[1]

[1] Graduate School of Science, Kyoto University

Research on prediction of volcanic eruptions has been getting many results until now. However, this research is holding still more subjects. It seems that these problems are caused that the factor which has specified the rise of magma is unknown. Although there are probably some factors, I want to raise two factors here. The 1st is the density difference of the medium of magma and the circumference, and the 2nd is the quantity of the volatile components contained in magma. The subject given to us is how to acquire such information by geophysical observations.