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Shamil Ibragimov

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Picroilmenite in  
Kimberlites and  
Titanomagnetites of the  
Yakutian Diamond-Bearing  
Province

Magnetic and Mineralogical  
Analysis: Experiment,  
Theory, Applied Significance



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Sergey Mishenin · Timur Zakirov

# Picroilmenite in Kimberlites and Titanomagnetites of the Yakutian Diamond-Bearing Province

Magnetic and Mineralogical Analysis:  
Experiment, Theory, Applied Significance

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Shamil Ibragimov  
Kazan Federal University  
Kazan, Russia

Dilyara Kuzina  
Kazan Federal University  
Kazan, Russia

Sergey Mishenin  
Siberian Research Institute of Geology,  
Geophysics and Mineral Resources  
Novosibirsk, Russia

Timur Zakirov  
Kazan Federal University  
Kazan, Russia

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# Introduction

The monograph addresses magnetic properties of kimberlites, microilmenites and traps of the Yakutian Kimberlite Province introducing modern ideas about trap magmatism, kimberlites and diamonds. In addition, accessory ferromagnetic minerals (microilmenite and titanomagnetite) are studied in detail, and the methods of processing and interpreting the thermomagnetic curves and coercive spectra are also described. Finally, the monograph offers sample implementations of magnetic and mineralogical analysis applied to various geological problems. The monograph will be useful to the researchers interested in rock magnetism and paleomagnetism, as well as to the geologists and geophysicists engaged in kimberlite exploration.

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