

Petrophysical Properties of Basement Rocks in the Kitakami Mountains, Northeast Japan

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The Geological Survey of Japan, AIST has been conducting petrophysical measurements of basement rocks in the Japanese Islands to better understand magnetic and gravity anomalies. We are now compiling these data and constructing a petrophysical database of basement rocks from the Japanese Islands with the aim of future public use. We are here reporting characteristics of petrophysical properties of basement rocks from the Kitakami Mountains, Northeast Japan. Based on the results of the measurements, magnetic interpretation is more suitable than gravity as rock magnetic properties are more susceptible than densities to rock types.