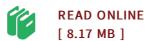




## Archimedes Principle, Gaspycnometer and Geopycnometer

By Amalia Aventurin

GRIN Verlag Apr 2014, 2014. sonst. Bücher. Book Condition: Neu. 213x149x4 mm. This item is printed on demand - Print on Demand Neuware - Internship Report from the year 2013 in the subject Geography / Earth Science - Miscellaneous, grade: 1.7, RWTH Aachen University (Lehrstuhl für Geologie, Geochemie und Lagerstätten des Erdöls und der Kohle), course: Petrophysics Practical Course, language: English, abstract: The Archimedes method is used to determine the volume of an irregular shaped solid object. This is done by determining the dry mass of an object (which is given), the fully water saturated mass, measured with the Kern 572, and the mass of the sample when hanging in a water-filled bowl. Both measurements the saturated and hanging-mass in a water-bowl were done five times each by about 19.5°C air temperature and about 18°C water temperature. For this experiment we used two samples: G1 is a black stone with small mica particles and bigger white quartz inclusions. This stone is coarse-grained and compacted and therefore it could be a gabbro. G2 is a greenish sandstone with small particles and lesser compaction. The results of the measurements are shown in table 1. [.] 16 pp. Englisch.



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