

ABSTRACT

The magnetic properties of a rocks on Earth are mostly well known. But what is the magnetic properties of a rocks which originate extraterrestrial? Such as on Moon. We are interested in the intensity of paleofield of some Moon rocks which were chipped by Apollo 15 in early 70s.

The text is an unification of the basic knowledge of a magnetism, the way how it originates. You can found here also the basics of paleomagnetism and methods how the rocks can get own magnetisation, their properties and some outline how the Moon rocks can get own magnetisation if moon doesn't have a dynamo.

Then we summaries the information got from measurements of two Moon rocks 15404.219 and 15445.277, which were divided to subsamples and measured in Paleomagnetic laboratory in Czech Academy of Sciences.

Each subsample was measured separately on 2G cryogenic magnetometer. We were interested in AF (alternating field) remanent magnetisation spectra from which we got an estimating intensity of paleofield from which the samples got own magnetisation.

The final part is devoted to discussion on topic of possible existence of lunar dynamo or other possibilities how the Moon rocks can have held the magnetisation.