

# Experimental study of oblique anhysteretic remanent magnetization

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Oblique anhysteretic remanent magnetization (OARM) is imparted to samples by applying an alternating magnetic field with a non-parallel weak steady magnetic field. In previous studies, Sueishi (1978) and Denham (1979) reported a few characteristics of OARM: OARM intensities of several samples showed different dependences of applied steady field directions, and those OARM directions were systematically different from the applied steady field directions. However, such behaviors of OARM have not been well understood since no experiments together with rock magnetic analyses have been conducted. In the present study, we carry out OARM experiments of some volcanic rock samples, and will also discuss the relation of the OARM data to the rock-magnetic properties of the samples.