

Heat-assisted effects in ferromagnetic nanoparticles

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Abstract

The processes of the magnetization reversal by the external magnetic field of the Py particles have been studied by magnetic force microscopy in the temperature range of 300-650 K. The values of the switching field of the particle magnetization and the switching field distribution for the particles array have been determined. The switching field and the field distribution decrease significantly with increasing temperature. © Published under licence by IOP Publishing Ltd.

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