

## Coercivity of magnetic nanoparticles: a stochastic model

This article has been downloaded from IOPscience. Please scroll down to see the full text article.

2008 J. Phys.: Condens. Matter 20 219803

(<http://iopscience.iop.org/0953-8984/20/21/219803>)

View [the table of contents for this issue](#), or go to the [journal homepage](#) for more

Download details:

IP Address: 129.252.86.83

The article was downloaded on 29/05/2010 at 12:28

Please note that [terms and conditions apply](#).

# Erratum

## Coercivity of magnetic nanoparticles: a stochastic model

S Chakraverty and M Bandyopadhyay

2007 *J. Phys.: Condens. Matter* **19** 216201

In the article 'Coercivity of magnetic nanoparticles: a stochastic model', we explain the mysterious behaviour of coercivity of the nanomagnetical particles with the variation of particle size at two different temperatures (300 K and 10 K).

In that context the effect of the magneto-crystalline anisotropic potential on the magnetization of non-interacting uniaxial nanoparticles is discussed in section 3. However, this is discussed earlier by J L García-Palacios in his classic article 'On the statics and dynamics of magneto-anisotropic nanoparticles' [1]. If someone is interested in this topic they should consult the article of J L García-Palacios [1].

## Reference

- [1] J L García-Palacios 2000 *Advances in Chemical Physics* vol 112, ed I Prigogine and Stuart A Rice (New York: Wiley) 1