

Surface spin–flop transition in a uniaxial antiferromagnetic Fe/Cr superlattice induced by a magnetic field of arbitrary direction

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Erratum

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An incorrect statement was made in the aforementioned paper. Namely that, for the investigated film system characterized by a moderate value of the uniaxial anisotropy, the first order spin–flop transition becomes continuous (i.e. of second order) for a skew angle ψ greater than a critical value $\psi_{\max} = 4.75^\circ$.

The correct statement is that the ground state configuration of the film changes in a continuous way for a skew angle ψ greater than a critical value $\psi_{\max} = 4.75^\circ$: i.e. in the (H_X, H_Z) phase diagram, the point corresponding to the critical angle ψ_{\max} is not a tri-critical point, but only the end point of a first order transition. In contrast, for a film with a much higher value of the uniaxial anisotropy, a tri-critical point is expected to occur (U K Roessler and A N Bogdanov 2007 *J. Appl. Phys.* **101** 09D105).

We thank U K Roessler and A N Bogdanov for bringing this point to our attention.