

**Erratum: Tunable interactions between vortices and a magnetic dipole
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This paper failed to refer to a closely related work published earlier.¹ Both papers deal with the idea of vortex pinning potentials that can be tuned by an applied magnetic field. However, Ref. 1 illustrates this idea, and some of its consequences, by studying the simple model of one vortex line interacting with a point magnetic dipole whose magnetic moment is free to rotate only in the plane parallel to the film surfaces. Some results of Ref. 1 are reproduced in this paper. Specifically, there are overlapping blocks of text consisting of several sentences which occur in Sec. IIA, paragraph beginning with “Parallel dipole”; in Sec. III, paragraph beginning with “Parallel dipole”; and in Sec. IV (Discussion), paragraphs beginning with “The simple model discussed here...” and “In conclusion...”. Also, three figures that appear in this paper also appear in Ref. 1: Figs. 2, 5, and 7 correspond to Figs. 2, 3, and 4, respectively.

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¹G. Carneiro, Europhys. Lett. **71**, 817 (2005).