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Title: Observation of a Topological Transition in the 3He-A Vortices - Errata

ERRATA

Observation of a Topological Transition in the ^{3}He-A Vortices
[Phys. Rev. Lett. 65, 3293 (1990)]

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The frequency in Fig. 3(c) should read $f = 44.7$ MHz. The frequency of Figs. 3(a) and 3(b) is correct, i.e., $f = 26.8$ MHz. The frequency in Figs. 4(a)–4(c) should read $f = 44.7$ MHz. The final result, Fig. 5, remains unchanged because H_c and H_{c1} do not depend on frequency.

Our paper gave the erroneous impression that the topological transition had not been theoretically investigated before. However, the change of the topological invariant for the $\hat{d}$ field was proposed in Ref. [1] and investigated in detail in Refs. [2] and [3]. The value obtained for the critical magnetic field of the transition is $H_c \simeq 0.6 H_D$ in Ref. [2] and $H_c \simeq 0.5 H_D$ in Ref. [3], which, with $H_D \simeq 3$ mT, is in reasonable agreement with our experimental result $H_c \simeq 1.5$ mT.

[1] G. E. Volovik and P. J. Hakonen, J. Low Temp. Phys. **42**, 503 (1981).
[2] A. L. Fetter, J. Low Temp. Phys. **58**, 545 (1985).
[3] X. Zotos and K. Maki, Phys. Rev. B **31**, 7120 (1985).

Finite-Size Scaling for Critical Films
[Phys. Rev. Lett. 66, 345 (1991)]

M. Krech and S. Dietrich

On p. 346, in Table I, the numerical values for $\Delta_{O,SB}$ for $d = 3$ are not correct. In accordance with the analytic formula for $\Delta_{O,SB}$ given on p. 346 the correct values are given in Table I below.

TABLE I. Casimir amplitudes Δ. The superscripts denote the following: a, exact (Refs. [4] and [8]); b, Ref. [19]; c, interpolated values obtained by using the exact results for $d = 2$; d, Migdal-Kadanoff estimates [6]. All other entries correspond to the field-theoretical results for $\varepsilon = 1$. The results for $d = 4$ can be regarded to be exact.

	$d=2$ $N=1$	$d=3$ $N=1$		$N=2$	$N=3$	$d=4$ $N=1,2,3$
$\Delta_{O,O}$	-0.065 [a]	-0.012 [b]	$(-0.015$ [c,d]$)$	-0.022	-0.032	$-0.0069N$
$\Delta_{O,SB}$	$\cdots$	0.013	$(0.017$ [d]$)$	0.026	0.039	$0.0060N$
$\Delta_{SB,SB}$	$\cdots$	-0.012	$(0.019$ [d]$)$	-0.022	-0.032	$-0.0069N$
Δ_{per}	-0.26 [a]	-0.11	$(-0.15$ [c]$)$	-0.20	-0.28	$-0.11N$
$\Delta_{antiper}$	0.52 [a]	0.14	$(0.17$ [c]$)$	0.28	0.43	$0.096N$

Berry's Phase Originated from the Broken Time-Reversal Symmetry: Theory and Application to Anyon Superconductivity
[Phys. Rev. Lett. 67, 251 (1991)]

J. Ihm

In the last paragraph of the third section (located just before the italicized heading "*Applications*") on p. 253, several errors were inadvertently made. In the first sentence of that paragraph, the words "the same two theorems" should read "a similar theorem." In the last sentence of that paragraph, the words "if and only if" should read "if."