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Erratum

Edge Pinning and Internal Phase Transitions in a System of Domain Walls

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In the second paragraph of page 156, the sentence "Presumably there is a latent heat of fusion associated with the order-disorder transition at $h=\pm h_c(U)$, $U<-2$ if the temperature is varied at constant μ", should be deleted. Although the staggered long-range order disappears discontinuously in crossing from the ordered to the disordered phase, there is no latent heat. Exact results [28] for the ground state of the xxz Heisenberg Hamiltonian imply that the order-disorder transitions are of the Pokrovsky-Talapov type [2–9]. On the disorder side of the transition temperature, the deviation of the domain-wall density from the value $n/N_x=1/2$ grows as $|T-T_c(\mu)|^{1/2}$, and the specific heat diverges as $|T-T_c(\mu)|^{-1/2}$.

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