

**Erratum: Integral equation and simulation studies of the Heisenberg spin fluid
in an external magnetic field
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Equation (38) should read

$$\chi_{zz}/\rho\beta\mu^2 = \sigma_x^2[1 + \rho\tilde{h}_{110}(0)] + \sigma_x\langle x \rangle[\rho\tilde{h}_{100}(0) + \rho\tilde{h}_{010}(0)] + \langle x \rangle^2[1 + \rho\tilde{h}_{000}(0)]. \quad (38)$$

Equation (42) should read [1]

$$\rho k_B T K_T = 1 + \rho\tilde{h}_{000}(0). \quad (42)$$

These corrections result in the following numerical values, which replace those in Table I.

TABLE I. Magnetic and thermodynamic properties of the Heisenberg spin fluid for $\kappa=1$ and $\rho\sigma^3=0.7$ calculated in the RZH approximation; the values of χ_{yy} at zero field for $K > K_c$ correspond to the last converged solution. The MC value in parentheses is a rough estimate since, due to the vicinity of the critical point, the results at this temperature are particularly sensitive to system size.

K	$\beta\mu B_0=0$		$\beta\mu B_0=1$	
	$\rho k_B T K_T$	$\chi_{zz}/\rho\beta\mu^2$	$\rho k_B T K_T$	$\chi_{zz}/\rho\beta\mu^2$
0	0.0574	0.333	0.0573	0.282
0.05	0.0574	0.423	0.0578	0.311
0.10	0.0574	0.574	0.0588	0.322
0.15	0.0576	0.877	0.0607	0.298
0.20	0.0580	1.736	0.0634	0.249
0.25	0.0601	8.854	0.0666	0.203
0.30	0.0700	1.457	0.0701	0.169
0.35	0.0731	0.592	0.0739	0.148
0.40	0.0768	0.389	0.0781	0.136
0.45	0.0809	0.288	0.0828	0.129
0.50	0.0855	0.230	0.0881	0.126

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[1] J. P. Hansen and I. R. McDonald, *Theory of Simple Liquids* (Academic, London, 1986), p. 442.