Erratum: Absence of a sliding Luttinger liquid phase in the planar pyrochlore [Phys. Rev. B 75, 024409 (2007)]

Marcelo Arlego and Wolfram Brenig*

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We thank J. Oitmaa[1] for making us aware of errors in Eq. (7). The numerators 5, −307, −71, and 869 in the coefficients of the powers $J_d J_p^3$, $J_d^3 J_p^2$, $J_d^2 J_p^3$, and $J_d J_p^4$ must read 3, 61, −103, and 1029. For $0 \leqslant J_{p,d} \leqslant 1$ the relative change in the ground state energy due to this is less than 0.7%. Therefore the discussion in Sec. III remains valid.

We found additional errors in Eq. (12), where the coefficients 1309/1536 and −3895/4608 of the powers $J_d^3 J_p^2$ and $J_d^2 J_p^3$ must read 31249/36864 and −15325/18432. For $0 \leqslant J_p \leqslant 0.5$ and $0 \leqslant J_d \leqslant 1$ this leads to a relative change in the gap less than 0.2%. That is, the discussion in Sec. V remains valid. In particular the changes to Fig. 4 are invisible.

*arlego@fisica.unlp.edu.ar

[1] J. Oitmaa (private communication).

