

Generalisation of the Sinai anomalous diffusion law

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1987 J. Phys. A: Math. Gen. 20 6637

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CORRIGENDUM

Generalisation of the Sinai anomalous diffusion law

Stanley H E and Havlin S 1987 *J. Phys. A: Math. Gen.* 20 L615-8

Equation (7) is in error, and should be replaced by

$$E \sim \begin{cases} l & 1 < \beta < 2 \\ l^{1/(\beta-1)} & 2 < \beta \leq 3 \\ l^{1/2} & 3 \leq \beta. \end{cases} \quad (7)$$

The error stems from neglecting the contribution from walking against the bias field in the longest strings, with $k = k_{\max}$.

We must also emphasise that the theoretical arguments involve calculating the average time to make a displacement x ; the average over displacements, $\langle x^2 \rangle$, yields different results.

The authors wish to thank A Bunde, F Leyvraz and R Selinger for discussions that helped clarify the above points.

CORRIGENDUM

Self-similar and translationally invariant structures in a bond-diluted Ising model

Yang Z R 1986 *J. Phys. A: Math. Gen.* 19 L557-60

There are two errors that should be corrected in this letter.

(i) 9 lines from the bottom of L558, the line should start 'boundary condition in each $N > 0$ stage ...'.

(ii) Equation (6) should be

$$Z(H_0) = \sum \exp(J\sigma_1\sigma_2) = 4 \cosh J.$$