

D. A. Lavis and G. M. Bell
Department of Mathematics
King's College, London

Errata File for: Statistical Mechanics of Lattice Systems

Volume 2: Exact, Series and Renormalization
Group Methods

December 5, 2000

Springer-Verlag
Berlin Heidelberg New York
London Paris Tokyo
Hong Kong Barcelona
Budapest

1. Page 256, equation (7.16) should read:

$$[N/M] = \frac{P_N(\zeta)}{Q_M(\zeta)} = \frac{p_0 + p_1\zeta + \cdots + p_N\zeta^N}{1 + q_1\zeta + \cdots + q_M\zeta^M}. \quad (7.16)$$

The final exponent in the numerator should be N not L .

2. Page 374, Table A.2 should be

Table A.2. Zero-field graphs on the square lattice.

$(0 q, k)$	$c(0 q, k)$	$n(0 q, k)$	$\overline{\omega}(0 q, k)$
$(0 4, 1)$	1	4	1
$(0 6, 1)$	1	6	7
$(0 8, 2)$	1	7	2
$(0 8, 3)$	2	8	$\frac{1}{2}(N - 9)$
$(0 10, 1)$	1	10	28
$(0 10, 2)$	1	9	8
$(0 10, 3)$	2	10	$2(N - 12)$

The entries in the fifth line are misplaced.

3. Page 396. Item (ii) should terminate with a full-stop, not a comma.
-

4. Page 397, equation (A.327) should read

$$\mathcal{E}\{\mathfrak{g}_j(\ell) \cup \mathfrak{g}_{j'}(\ell')\} = \mathcal{E}\{\mathfrak{g}_j(\ell)\} + \mathcal{E}\{\mathfrak{g}_{j'}(\ell')\} - \mathcal{E}\{\mathfrak{g}_j(\ell) \cap \mathfrak{g}_{j'}(\ell')\}. \quad (\text{A.327})$$

There are some superfluous brackets and some primes missing.

5. Page 335, equation (A.5). The function should be $f^*(\mathbf{k})$ not $f^*(k)$.
-

6. Page 397, equations (A.328) and (A.329). In each case the left-hand side should be $\mathcal{E}\{\mathcal{C}\}$. The wrong brackets have been used.