

Derivation of low-temperature expansions for Ising model VIII. Ferromagnetic and antiferromagnetic polynomials for the honeycomb-triangular system

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Corrigenda

Derivation of low-temperature expansions for Ising model VIII. Ferromagnetic and antiferromagnetic polynomials for the honeycomb-triangular system

Sykes M F, Watts M G and Gaunt D S 1975 *J. Phys. A: Math. Gen.* **8** 1448–60

Page 1451: in equation (2.5) read

$$\psi_{6m+2} = \mu^{3m^2+2m}(6 + 42\mu^{-1} + 216\mu^{-2} + \dots)$$

$$\psi_{6m+4} = \mu^{3m^2+4m+1}(6 + 42\mu^{-1} + 216\mu^{-2} + \dots)$$

Pages 1455–6: above (4.4) and (4.6) for $\mu^s\mu^\omega$ read $\mu^s u^\omega$.

Derivation of low-temperature series expansions for the Ising model with triplet interactions on the plane triangular lattice

Sykes M F and Watts M G 1975 *J. Phys. A: Math. Gen.* **8** 1469–79

Page 1474: in equation (3.4) read

$$\Psi_9 = -19\frac{1}{3}\mu^3 - 1250\mu^5 + 3621\mu^7 + 696\mu^9 + 51\mu^{11} + 2\mu^{13}$$

Pages 1477–8: read

$$\begin{aligned} \Psi_{11} = & 27u_2^{11} + 160u_2^{12} + 1950u_2^{13} - 3306u_2^{14} - 9423u_2^{15} - 11556u_2^{16} + 19023u_2^{17} \\ & + 24408u_2^{18} + 20730u_2^{19} + 7554u_2^{20} + 7221u_2^{21} + 5292u_2^{22} + 1266u_2^{23} \\ & + 1202u_2^{24} + 1104u_2^{25} + 138u_2^{26} + 180u_2^{27} + 222u_2^{28} + 12u_2^{29} + 18u_2^{30} \\ & + 42u_2^{31} + 6u_2^{34} \end{aligned}$$

$$\begin{aligned} \Psi_{12} = & 3u_2^{11} - 62\frac{3}{4}u_2^{12} + 312u_2^{13} + 2332\frac{1}{2}u_2^{14} + 11688u_2^{15} - 26742u_2^{16} - 54501u_2^{17} \\ & - 44431\frac{1}{2}u_2^{18} + 91008u_2^{19} + 107112u_2^{20} + 86849u_2^{21} + 43674u_2^{22} + 39090u_2^{23} \\ & + 27296\frac{1}{2}u_2^{24} + 9564u_2^{25} + 8355u_2^{26} + 6824u_2^{27} + 1641u_2^{28} + 1605u_2^{29} \\ & + 1677u_2^{30} + 231u_2^{31} + 288u_2^{32} + 392u_2^{33} + 30u_2^{34} + 36u_2^{35} + 87u_2^{36} + 14u_2^{39} + u_2^{42} \end{aligned}$$

$$\begin{aligned} \psi_{20} = & 18u_3^9 + 1017u_3^{10} + 7554u_3^{11} + 107112u_3^{12} - 163722u_3^{13} - 1169742u_3^{14} \\ & + 1397904u_3^{15} - 1086656\frac{1}{4}u_3^{16} - 948006u_3^{17} + 195327u_3^{18} - 170604u_3^{19} \\ & - 59115u_3^{20} + 35676u_3^{21} + 34671u_3^{22} + 36234u_3^{23} + 50997u_3^{24} + 55788u_3^{25} \\ & + 52479u_3^{26} + 38472u_3^{27} + 24465u_3^{28} + 12996u_3^{29} + 6060u_3^{30} + 2412u_3^{31} \\ & + 798u_3^{32} + 216u_3^{33} + 42u_3^{34} + 6u_3^{35} \end{aligned}$$