

Mean number of clusters for percolation processes in two dimensions

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1977 J. Phys. A: Math. Gen. 10 329

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Corrigendum

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Domb C and Pearce C J 1976 *J. Phys. A: Math. Gen.* **9** L137-40

From the expression on page L139 for the mean number of clusters

$$k_L(p) = n_c + A(p_c - p) + C(p_c - p)^2 + D|p_c - p|^{8/3} + \dots$$

the analogue of the specific heat, $d^2 k_L(p)/dp^2$, may be seen to have a finite cusp at p_c . For this case the appropriate form of the Rushbrooke-Kasteleyn-Fortuin inequality becomes $2\beta_p + \gamma'_p \geq 2$, and the inequality obtained for γ'_p should be modified to $\gamma'_p \geq 1.724 \pm 0.014$.