

*Erratum***An algorithmic approach to the number of
spanning trees in Buckminsterfullerene**

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The number of spanning trees in Buckminsterfullerene reported [1] was correct when expressed as powers of prime numbers, i.e.,

$$2^{25} \times 3^4 \times 5^3 \times 11^5 \times 19^3,$$

but there was, unfortunately, an undetected mis-print in the 21-digit number claimed in [1] to be the equivalent of the above; the 12th figure of this integer should be '2', rather than the '3' unintentionally alleged in ref. [1]. Thus, the spanning-tree count of the C₆₀ molecular-graph quoted on page 268 of [1] as being

$$375\ 291\ 866\ 37\bar{3}\ 898\ 816\ 000,$$

should in fact have been

$$375\ 291\ 866\ 37\bar{2}\ 898\ 816\ 000.$$

This agrees (as claimed in [1]) with the previously reported value [2] of the complexity of Buckminsterfullerene, as well as with five other subsequent, and independently calculated, estimates of it [3–5].

References

[1] P.E. John and R.B. Mallion, *J. Math. Chem.* 15 (1994) 261.

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