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**John Z Imbrie\*** (imbrie@virginia.edu), Department of Mathematics, P. O. Box 400137, University of Virginia, Charlottesville, VA 22904-4137. *Forest-Root Formulas in Statistical Mechanics.*

I will discuss forest-root formulas as interpolation identities in  $R^n$  and in  $C^n$ . These identities can be applied to several problems, including Mayer expansions, the combinatorics of branched polymers, and Kirchhoff's matrix-tree theorem. (Received August 11, 2008)