

# Bananas and Fruit Bats

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We study the correlation length of the two-dimensional Ising spin banana in an external fruit environment ...

## I. INTRODUCTION

Wang and Swendsen<sup>1</sup> first suggested an exponential scaling of the specific heat of the two-dimensional bi-modal Ising spin glass:

$$C_V \sim T^{-2} e^{-A\beta J} . \quad (1)$$

TABLE I: Different estimates for  $n$  and  $A$ .

Reference	$n$	$A$
Wang & Swendsen <sup>1</sup>	—	2
Lukic <i>et al.</i> <sup>2</sup>	1	2

## Acknowledgments

We would like to thank Apples and Oranges.

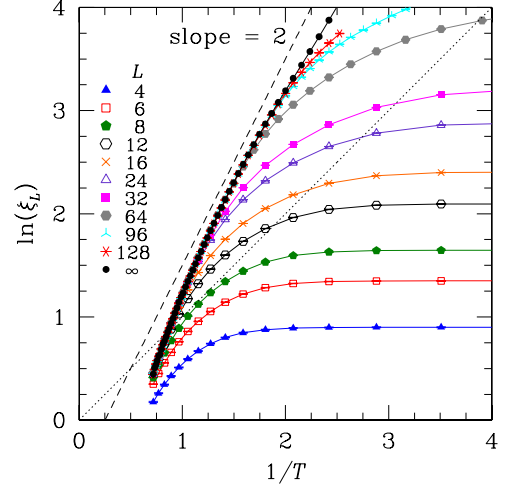


FIG. 1: Data for the finite-size correlation length:  $\ln(\xi_L)$  vs  $1/T$ .

<sup>1</sup> J. Wang and R. H. Swendsen, *Low-temperature properties of the  $\pm J$  spin glass in two dimensions*, Phys. Rev. B **38**, 4840 (1988).

<sup>2</sup> J. Lukic, A. Gallucio, E. Marinari, O. C. Martin, and G. Ri-

naldi, *Critical thermodynamics of the two dimensional  $\pm J$  Ising spin glass*, Phys. Rev. Lett. **92**, 117202 (2004).