
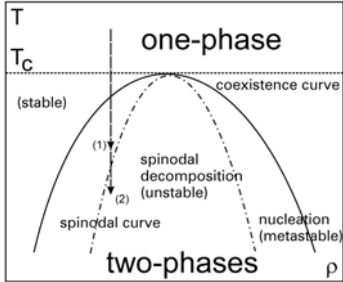



Relaxation Paths and the Spinodal

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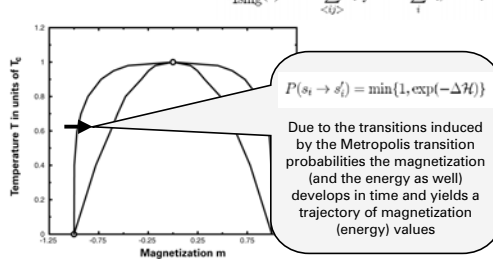

Relaxation Paths

- Emphasis is on the dynamics of the single events and not on the average behaviour of the system
- Our point of view is that averaging in the non-equilibrium situation can wash away or hide the phenomena
- Will show that the statistics of the relaxation paths can lead to a sharp distinction between meta- and unstable states



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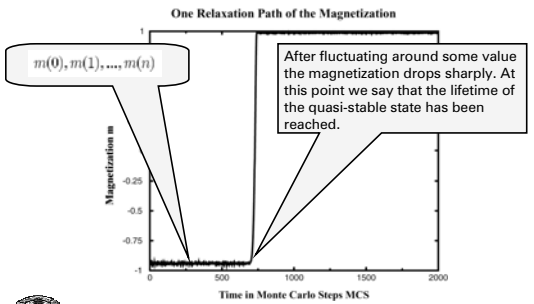

The Model and the Phase Diagram

$$\mathcal{H}_{\text{Ising}}(s) = -J \sum_{\langle ij \rangle} s_i s_j + h \sum_i s_i \quad s_i = \pm 1$$



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Relaxation Paths

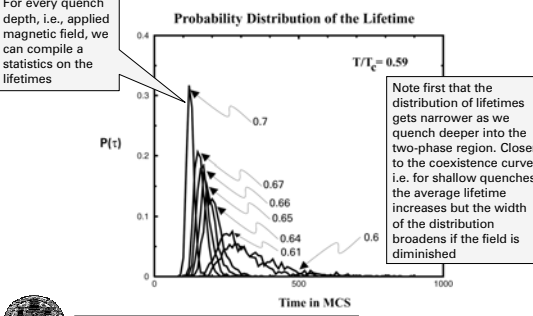

One Relaxation Path of the Magnetization

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Distribution of the Lifetimes

Probability Distribution of the Lifetime

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