

Errata (Updated March 2009)
“Large Deviations and Metastability”

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p. 26, line 5: replace “ $x \in M$ ” by “ $x \in M$ such that $I(x) < +\infty$ ”

p. 57, display (1.95): there is a redundant condition. Since ν and η are probability measures in S , if $\delta > 0$, then

(i) $\nu(F) \leq \eta(F_{(\delta)}) + \delta$ for all F closed

iff

(ii) $\eta(F) \leq \nu(F_{(\delta)}) + \delta$ for all F closed.

This is a simple exercise. Indeed, if F is closed, also is $S \setminus F_{(\delta)} = \{x: d(x, F) \geq \delta\}$ and $(S \setminus F_{(\delta)})_{(\delta)} \subset S \setminus F$, from which one checks at once that (i) iff (ii).

p. 340, l. -2: replace “)”” by “)”

p. 344, display (6.21): it should read “ $\bar{B}(D) = \{z \in \hat{B}(D): \text{every downhill...in } D\}$ ”

p. 347, Definition 6.20: Set $\Theta(A) = 0$ if A is contained in the basin of an state x

p. 373, l. 2: replace $D^-(z)$ by $D(z)$

p. 409, l.4: at “all minus spins have at least three positive” replace “positive” by “negative”

p. 412, l.-6 replace “ $\forall \zeta \in \omega$ ” by “ $\forall \zeta \in \omega'$ ”

p. 421, display (7.31): replace “ $l^* - 1$ ” by “ $l^* - 2$ ”

p. 422, display (7.37): replace “ $-\epsilon$ ” by “ $+\epsilon$ ”

p. 424, l. 4: replace “ $\tau_1 < e^{\epsilon\beta}$ ” by “ $\tau_1 - \tau_0 < e^{\epsilon\beta}$ ”

p. 431, l. 14: replace “ $\tau_1 < e^{\epsilon\beta}$ ” by “ $\tau_1 - \tau_0 < e^{\epsilon\beta}$ ”

p. 437: The notation “ χ_{Γ_0} ” might be misleading since it does not fit to what was used in (7.61). We should change that in (7.61), instead.