

پانزدهم تکلیف

(* Site-by-Site Thermalization Metropolis MC *)

(* 2 dim & 40×40 sites & Phase Trans. *)

nd = 40;

H = 0.0;

T → 0.1, 0.4, 0.8, 1.2, 1.6, 1.8, 2, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3, 3.2, 3.5, 3.7, 4

Exact solution : $(1 - \text{Sinh}[2/T]^{-4})^{1/8}$

(* Site-by-Site Thermalization Metropolis MC *)

(* 2 dim & 40×40 sites *)

nd = 40;

T = 1.5;

H → 0.1, 0.4, 0.8, 1.2, 1.6, 1.8, 2, 2.1, 2.2, 2.3, 2.4, 2.5