

Non-equilibrium critical dynamics of two-dimensional XY model with Hamiltonian equations of motion

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Corrigendum

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I regret that part of the conclusion in the above paper is incorrect. Under my supervision, the computer simulations of the article were done by my former student A Asad. In the past months, I and my other students were involved in related research topics. We are not able to reproduce part of the results. According to our new computations, the dynamic exponent for the dynamic process starting from an ordered state is $z = 1$, different from $z = 2$ reported in the above paper and in Monte Carlo simulations [1, 2]. For the dynamic process starting from a disordered state, the numerical solutions should be also reformulated. Detailed results will be reported elsewhere.

References

- [1] Zheng B, Ren F, and Ren H 2003 *Phys. Rev. E* **68** 046120.
- [2] Lei X W and Zheng B 2007 *Phys. Rev. E* **75** 040104.