Ye, Biao-Liang; Li, Bo; Liang, Xiao-Bin; Fei, Shao-Ming
Local quantum Fisher information and one-way quantum deficit in spin-1/2 XX Heisenberg chain with three-spin interaction. (English) Zbl 1450.81004
Int. J. Quantum Inf. 18, No. 4, Article ID 2050016, 9 p. (2020).

MSC:
81P17 Quantum entropies
82B20 Lattice systems (Ising, dimer, Potts, etc.) and systems on graphs arising in equilibrium statistical mechanics
82B26 Phase transitions (general) in equilibrium statistical mechanics
81U15 Exactly and quasi-solvable systems arising in quantum theory

Keywords:
local quantum Fisher information; one-way quantum deficit; XX model

Full Text: DOI arXiv

References:
[1] Horodecki, R., Horodecki, P., Horodecki, M. and Horodecki, K., Rev. Mod. Phys.81 (2009) 865.
[2] Bennett, C. H., Brassard, G., Crépeau, C., Jozsa, R., Peres, A. and Wootters, W. K., Phys. Rev. Lett.70 (1993) 1895.
[3] Bennett, C. H., DiVincenzo, D. P., Shor, P. W., Smolin, J. A., Terhal, B. M. and Wootters, W. K., Phys. Rev. Lett.87 (2001) 077902.
[4] Yin, J., Cao, Y., Li, Y.-H., Liao, S.-K., Zhang, L., Ren, J.-G., Cai, W.-Q., Liu, W.-Y., Li, B., Dai, H., Li, G.-B., Lu, Q.-M., Gong, Y.-H., Xu, Y., Li, S.-L., Li, F.-Z., Yin, Y.-Y., Jiang, Z.-Q., Li, M., Jia, J.-J., Ren, G., He, D., Zhou, Y.-L., Zhang, X.-X., Wang, N., Chang, X., Zhu, Z.-C., Liu, N.-L., Chen, Y.-A., Lu, C.-Y., Shu, R., Peng, C.-Z., Wang, J.-Y. and Pan, J.-W., Science356 (2017) 1140.
[5] Modi, K., Brodutch, A., Cable, H., Paterek, T. and Vedral, V., Rev. Mod. Phys.84 (2012) 1655.
[6] Ye, B.-L., Wang, Y.-K. and Fei, S.-M., Int. J. Theor. Phys.55 (2016) 2237.
[7] Streltsov, A., Kampermann, H. and Bruß, D., Phys. Rev. Lett.106 (2011) 160401.
[8] Petz, D., J. Phys. A, Math. Gen.35 (2002) 929.
[9] Ye, B.-L., Li, B., Wang, Z.-X., Li-Just, X. and Fei, S.-M., Sci. China-Phys. Mech. Astron.61 (2018) 110312.
[10] Sachdev, S., Quantum Phase Transitions (Cambridge University Press, Cambridge, 1999). - Zbl 1008.82016
[11] Osterloh, A., Amico, L., Falci, G. and Fazio, R., Nature416 (2002) 608.
[12] Weert, T., Trippe, C., Ribeiro, G. A. P. and Rigolin, G., Phys. Rev. Lett.105 (2010) 095702.
[13] Liu, B.-Q., Shao, B., Li, J.-G., Zou, J. and Wu, L.-A., Phys. Rev. A83 (2011) 052112.
[14] Liu, B.-Q., Shao, B. and Zou, J., Commun. Theor. Phys.56 (2011) 46.
[15] Li, Y.-C. and Lin, H.-Q., Sci. Rep.6 (2016) 26365.
[16] Chen, J.-J., Cui, J., Zhang, Y.-R. and Fan, H., Phys. Rev. A94 (2016) 022112.
[17] Shaoli, A., Bakmou, L., Daoud. M. and Laamara, R. A., Phys. Lett. A383 (2019) 2241.
[18] Kim, S., Li, L., Kumar, A. and Wu, J., Phys. Rev. A97 (2018) 032326.
[19] Lou, P., Wu, W.-C. and Chang, M.-C., Phys. Rev. B70 (2004) 064405.
[20] Lieb, E., Schultz, T. and Mattis, D., Ann. Phys.16 (1961) 407.

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.