

Accepted Manuscript

The lead-lag relationship between stock index and stock index futures:
A thermal optimal path method

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PII: S0378-4371(15)00874-2

DOI: <http://dx.doi.org/10.1016/j.physa.2015.10.028>

Reference: PHYSA 16510

To appear in: *Physica A*

Received date: 5 July 2015

Revised date: 3 September 2015

Please cite this article as: C.-C. Gong, S.-D. Ji, L.-L. Su, S.-P. Li, F. Ren, The lead-lag relationship between stock index and stock index futures: A thermal optimal path method, *Physica A* (2015), <http://dx.doi.org/10.1016/j.physa.2015.10.028>

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Highlights:

1. We use a non-parametric approach, thermal optimal path method.
2. We study lead-lag relationship between stock indices and their associated futures.
3. We propose an indicator to explain the surge of lead-lag function.

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