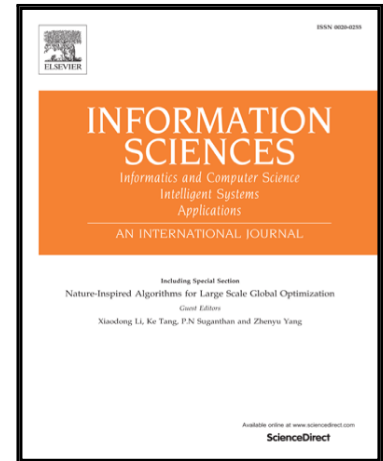


Accepted Manuscript

Spatial-domain fitness landscape analysis for combinatorial optimization

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PII: S0020-0255(18)30719-9  
DOI: <https://doi.org/10.1016/j.ins.2018.09.019>  
Reference: INS 13930



To appear in: *Information Sciences*

Received date: 19 January 2018  
Revised date: 7 September 2018  
Accepted date: 9 September 2018

Please cite this article as: Hui Lu , Rongrong Zhou , Zongming Fei , Chongchong Guan , Spatial-domain fitness landscape analysis for combinatorial optimization, *Information Sciences* (2018), doi: <https://doi.org/10.1016/j.ins.2018.09.019>

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**Highlights:**

- A spatial-domain fitness landscape analysis framework is proposed for exploring the characteristics of combinatorial optimization problems.
- A mapping strategy is designed based on lexicographic order for establishing the connection between high-dimensional problems and low-dimensional visual space.
- A spatial-domain parameter slope from the DEM is proposed to evaluate the ruggedness of landscapes.
- The selection of appropriate operators and parameters for COPs is based on the spatial-domain fitness landscapes.

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