

## ***Interactive comment on “An approach to computing direction relations between separated object groups” by H. Yan et al.***

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Abstract: it is too detailed. It may be reduced.

1 Introduction: it gives a brief introduction of the issue, and the significance of this study is presented clearly. However, I suggest that the authors reference two or more nearest papers in this section.

2 Analysis of existing models: the advantages and disadvantages of the existing models are shown clearly.

3 Theoretical foundations of multi-directions: it is plausible to use multiple directions in representing direction relations.

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4. A Voronoi-based model: this is the emphasis of the paper. The principle of the model is demonstrated using an example.

5. Experiments and discussions: I suggest the authors to classify the examples according to the geometric characteristics of the objects and organize the experiments in a more reasonable way.

6. Conclusion: this section is well written.

Comment in language: please check through the paper to ensure the correctness of the spelling and grammar.

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Interactive comment on Geosci. Model Dev. Discuss., 6, 3179, 2013.