Ref.: Ms. No. VLDB-D-18-00003R2

One-Pass Trajectory Simplification Using the Synchronous Euclidean Distance The VLDB Journal

Dear Mr. Ma (Retiring),

Reviewers have now commented on your paper. Some are satisfied but some minor revisions have been suggested. If you are prepared to make the revisions, I would be pleased to consider publication.

The reviewers' comments can be found at the end of this email or can be accessed by following the provided link.

Your username is: \*\*\*\*\*\*\*\*

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When revising your work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

Your revision is due by 13 Sep 2019.

Please make sure to submit your editable source files (i. e. Word, TeX).

To submit a revision, go to the journal's Editorial Manager site and log in as an Author. You will see a menu item called 'Submissions Needing Revision'. You will find your submission record there.

Yours sincerely

Renée Miller

Editor-in-Chief

The VLDB Journal

**Reviewers' comments:**

**Reviewer #4**: The authors have mostly addressed my comments. However there is one important remaining issues: In Section 5.2.2 "Evaluation of Average Errors", the "Optimal LS Algorithm" is in fact worse than almost all other algorithms except for CISED-W. The "Optimal LS Algorithm", as explained in Section 2.2, seems to be an exhaustive brute force algorithm that optimizes compression ratio given an error bound. So given this context the author should consider renaming the "Optimal LS Algorithm" in order to reflect its objective, which is compression not accuracy. Also, some explanation in Section 5.2.2 about the behaviour of this algorithm is necessary.