Abstract

This paper identifies the scope for improvement in the execution of baseline kNN join algorithms in a distributed environment. Improvements are suggested and the improved methods are applied in performing kNN joins on R*-Trees. The effectiveness of the proposed improvements have been experimentally verified and presented.

References

Improvisation to the R*-Tree kNN Join Principles in Distributed Environment

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Index Terms

Computer Science  Distributed Systems
Keywords

R*-Trees  kNN join  Hadoop  Mapreduce  z-values.