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


**Index Terms**

Computer Science, Distributed Systems
Improvisation to the R*-Tree kNN Join Principles in Distributed Environment

**Keywords**

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