

ABSTRACT

Influence zone is a method to answer reverse k nearest neighbour (RkNN) query using region approach without verifying each object; thus makes answering RkNN query more efficient than conventional point to point approach. However, influence zone is unable to answer dynamic value of k efficiently as it need to knows the value of k in advance. We introduce a concept to expand the influence zone therefore it is able to answer the dynamic value of k as well.

Keywords: dynamic k , expansion, influence zone, region approach, RkNN