R-Trees

Group 6: ARR-CHEESE

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Abstract

Spatial data indexing requires multidimensional queries and modifications. The R-Tree, proposed by Antonin Guttman in 1984, attempts to solve this dilemma with worst case linearithmic time complexity. Due to the robust implementation on main memory and disk, it is extremely practical in real world applications and opens the door to additional variants in an attempt to counter technical issue the traditional R-Tree suffers from.

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