Equipartition Search a New Algorithm for Searching

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Abstract

Searching finds wide application in computer systems and till date, it remains one of the most fundamental operation. The need for evolving searching algorithm is never ending. This paper focuses on proposing a new algorithm namely Equipartition search algorithm and compares this method to existing methods by searching in various sequences. Results have been compiled by taking running time as a major parameter. As evident from the results, the Equipartition search method performs better than compared algorithms for several distributions. Hence the proposed method helps to reduce the running time in searching operation.

References

Equipartition Search: A New Algorithm for Searching

Discovery 2008 Oct 18.


Index Terms

Computer Science Algorithms

Keywords
Searching, binary search, interpolation search, linear search, jump search, binary search tree, complexity.