

“ Improve Skip Algorithm for Single Pattern Searching”.

Assignment 1:Abstract and Introduction summary

- Improve Skip Algorithm for Single Pattern Searching
- we aim to find all occurrences of pattern in text by using naive algorithm with modification
- The purpose of any algorithm is reducing the complexity of running time
- Because naive algorithm takes a many operations with big time we improve this by skip position and algorithm returns the position of the first occurrence of the pattern in the text
- we compare the results of the skip algorithm with the Naïve algorithm and Knuth–Morris–Pratt algorithm. The complexity is compared with many other algorithms referred to in the literature survey.

The basic idea is skip search we search for a pattern in given text by accessing only half the memory location this version of naive algorithm is modified by by accessing only half characters in given string are the start or end characters of pattern by this way we reduce time complexity and space complexity so it can give better performance