Space Efficient Suffix Trees

Suffix trees is a popular data structure to search for pattern strings in a large corpus of text, with applications in Computational Biology and Search engines. Despite its applications, its practical adaptation faced bottlenecks due to its prohibitive use of space for large text.

However, recent developments in space efficient data structures (including some contributions from IMSc group) have resulted in practical implementations of suffix trees, particularly in computational biology packages.

This talk will describe suffix trees and give an overview of the developments.