Abstract

There exist many algorithms for producing the spanning trees of a graph with better time and space complexities. In this research study, we are presenting a study on number of spanning trees and a technique based on the basic cycle to find the number of spanning trees and also the structure of all the spanning trees of a labeled and undirected graph.

References

- Matsui, T., An Algorithm for Finding All the Spanning Trees in Undirected Graphs,
A Study on ‘Number of Spanning Trees’

Technical Report: METR 93-08, Department of Mathematical Engineering and Information Physics, University of Tokyo, Tokyo, 1993.

Index Terms

Computer Science
Algorithms

Keywords
Basic cycle Internal edges External edges