

On the Constrained Longest Common Subsequence Problem

Rao Li
Dept. of mathematical sciences
University of South Carolina Aiken
Aiken, SC 29801
Email: raol@usca.edu

Abstract

For two strings X , Y , and a constrained string P , the constrained longest common subsequence problem for two strings X and Y with respect to P is to find a sequence Z such that Z is a common subsequence of X and Y , P is a subsequence of Z , and the length of Z is as large as possible. An algorithmic paradigm for the constrained longest common subsequence problem will be presented in this talk.