# Comparison of pseudoknotted RNA secondary structures by topological centroid identification and tree edit distance

Mathematical bioinformatics

### What is Pseudo-knotted RNA Secondary Structures?

A pseudoknot is a nucleic acid secondary structure containing at least two stem-loop structures in which half of one stem is intercalated between the two halves of another stem.

Pseudo-knotted RNA secondary structure for PKB64 [1]

[1]http://pseudobaseplusplus.utep.edu/

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# **Topological Centroid Gotten**



## How to reorganize to trees?



## How about results?

