UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

Using Hyper-Dimensional Spanning Trees to Improve
Structure Preservation during Dimensionality Reduction
by
Curtis Davis

For the MSCS degree in Computer Science

Understanding relations in high-dimensional data is a prevalent problem, which is often approached by using dimensionality reduction. The structure preserved from the original data is often dependent on the type of dimension reduction algorithm used and can produce results that vary substantially from one another.