

Heavy-snow transform

A new multiscale method for non-Euclidean data

Guebin Choi

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Motivation

Non-Euclidean data

- ▶ Non-Euclidean data is data that cannot be stored in a grid or array form, such as graph and manifold data.
- ▶ Specific examples of non-Euclidean data include 3D point cloud, gene expression, social network, and traffic data.
 - ▶ Euclidean data: time-series, audio, images ...
 - ▶ Non-Euclidean data: 3D point cloud data (manifold data), molecules, social networks ...