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An Iterative Approach for Obtaining Multi-scale Superpixels Based on Stochastic Graph Contraction Operations

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**Highlights**

- Presents a stochastic multi-scale superpixels approach to over-segment images.
- Relies on graph contraction operations and a stochastic strategy.
- Uses a tree structure to represent the multi-scale superpixels.
- Experiments show that the IHSGC outperforms others recent superpixels methods.

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