Size parameters of micro-modules for backbone networks

The outputs from the proposed backbone extractors depend on the size of the overlapping nodes set m, the size of their neighbors set k, and the size of hubs set t.

This study evaluates eight structural backbone extraction methods designed for weighted networks. These methods leverage network topology rather than statistical weight distributions. A ...

The internal_batch_size parameter in the API controls how many crops are processed simultaneously through the backbone, allowing users to trade off throughput for memory usage.

Network evaluation parameters and parameter sizes of various backbone networks. [...] Semantic segmentation plays a very important role in image processing, and has been widely used in...

It uses the overlapping community structure to build the backbone in weighted networks. While most filtering techniques rely on link features to extract the backbone, the proposed method ...

Now, with the development of convolution neural networks (CNNs), the feature extraction operation has become more automatic and easier. CNNs allow to work on large-scale size of data, ...

Possible values are "resnet18", "resnet34", "resnet50", "resnet101", "resnet152", "resnext50_32x4d", "resnext101_32x8d", "wide_resnet50_2", "wide_resnet101_2" weights (WeightsEnum, optional): The ...

Backbone extraction techniques are among the leading solutions to reduce network size while preserving its features. Coarse-graining merges similar nodes to reduce the network size, while ...

In this paper, we propose and investigate two filter-based methods exploiting the overlapping community structure in order to extract the backbone in weighted networks. Indeed, highly connected nodes ...

The Signal Corps" micro-module effort is described as a definite step toward a concept that has depth and scope. A new dimension--a ten-to-one size reduction over the best now realized, is selected as ...

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