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Designing Architectures of Convolutional Neural Networks to Solve Practical Problems

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Highlights

- Our approach aims to support the estimation of Convolutional Neural Network (CNN) parameters.
- It intends to produce simpler CNN, reducing the complexity.
- This estimation was based on False Nearest Neighbors method.
- Caffe deep learning framework was used to conduct the training of CNN.
- Our results are comparable even to very complex and empirical CNN architectures.

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