R-net: A Deep Convolutional Neural Network for Improving Photoacoustic Image Reconstruction

**Python Codes\* :**

Requires Keras and TensorFlow

Training dataset was prepared by extracting patches from STARE, DRIVE, and CHASE retinal databases.

**# Codes for** [**U-net**](https://www.google.com/url?q=https%3A%2F%2Fgithub.com%2Fpanakino%2FFBPConvNet&sa=D&sntz=1&usg=AFQjCNHofBHcfcGFslgb9_wmsMIpWooT2A) **(Reference: Deep Convolutional Neural Network for Inverse Problems in Imaging)**

This Python code is used as part of the work presented in:

[Sreedevi Gutta\*, Jayasimha Talur\*], Sandeep Kumar Kalva, Manojit Pramanik, R. Venkatesh Babu, and Phaneendra K. Yalavarthy, “R-net: A Deep Convolutional Neural Network for Improving Photoacoustic Image Reconstruction". [\* equal contribution]

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