Technische Hochschule Ostwestfalen-Lippe
Fachbereich Elektrotechnik und Technische Informatik
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Exercises and Labs 8
for Lecture "Authentication „ (M.Sc.)

Banknote images are provided.
Main file is *banknote load.m*. Additional Matlab function for Wavelet transformation is provided.

Lab 8

a) Represent histograms for original images and for Wavelet transformed (WT) images.

b) For provided images calculate statistical moments: σ^2, skewness and curtosis.

c) For Wavelet transformed (WT) images calculate statistical moments: σ^2, skewness and curtosis.

Thus, all together you will receive six features. Theoretically, for considered application features on Wavelet transformated images are expected to have stronger discriminative properties as such without transformation.

d) Visualize features in original and WT transformed feature spaces.