

Multimedia Communication Systems 2

Multimedia Content Analysis

Mini Project 5: Classification

Download and extract “MP5_Classification.zip”

In this exercise you will see how a linear classification can be used on features.

- Complete the function `norm_features.m` that normalizes the calculated feature points. See the chapter about linear classification of two classes.
- Complete the function `plot_opt_linear_classifier.m`. This function calculates the optimal linear classifier and displays it in the feature space.

Directories:

testset - Contains the testset (h1.png and v2.png)

Files:

demo.m	- Start the demo
getFeaturesFromImage.m	- Extracts features from an image
norm_features.m	- Normalize the features
pca.m	- Does the principal component analysis
plot_featurespace.m	- Plot the featurespace in 2D
plot_opt_linear_classifier.m	- Calculates and plots the optimal linear classifier

Feedback or Questions?

You can contact us via e-mail or visit us at the *Institut für Nachrichtentechnik* during our office hours.