EE417 Term Project

Leaf Segmentation

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Approach

- ◆ Individual thresholding mechanism
- ◆ Deterministic thresholding combinations

- ◆ Conversation of color spaces
- ◆ K-means clustering

- ◆ Selection of algorithm depending on the input
  - ◆ Max-Min thresholding approach
  - ◆ Post-processing with morphological operations

Results

- Accuracy in first evaluation = 0.72

- Accuracy in the second evaluation = 0.76

- Accuracy in the third evaluation = 0.77

- With additional adjustments the accuracy is expected to be around 0.8