Step 1: Learn DFDL bases

Randomly extract patches

Channel-concatenated samples from all classes

DFDL bases

INPUT: Labeled training images.
OUTPUT: The DFDL Model

Step 2: Find threshold $\theta$

Labeled training images

Classification on patches

INPUT:
- Labeled training images
- The learned DFDL model
OUTPUT:
- Threshold $\theta$

Step 3: Classification

A new test image

Classification on patches

INPUT:
- Test images
- The learned DFDL model
- The threshold $\theta$
OUTPUT:
- Class labels