

Step 1: Learn DFDL bases

Class 1
Class 2

Labeled training images

Randomly
extract
patches

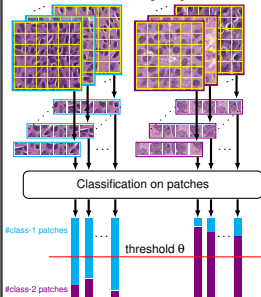
Channel-
concatenated
samples from
all classes

DFDL bases

INPUT: Labeled training images.
OUTPUT: The DFDL Model

Step 2: Find threshold θ

Labeled training images



INPUT:

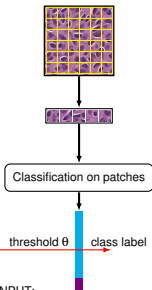
- Labeled training images
- The learned DFDL model

OUTPUT:

- Threshold θ

Step 3: Classification

A new test image



INPUT:

- Test images
- The learned DFDL model
- The threshold θ

OUTPUT:

- Class labels