* 2, 2-sided cheat sheets
* Comprehensive of entire class
* 60 points, with 12 points of extra credit.
* Composition:
  + Math
  + Definitions
  + Reasoning
  + True or False
  + Essay Questions

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LDA - fisher faces

PCA - eigen faces

Viola Jones - Haar-like filters, cascade classifier, adaboost

Face Bunch Graph - uses EBGM

In PCA the largest ev points in which direction : maximum variance of points

Iris recognition is typically perform in the : NIR spectrum

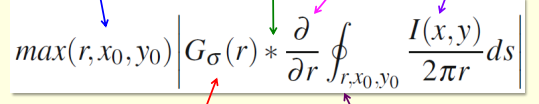
Iris “Normalization” maps the image from the Cartiesian coordinate system to the: pseudo-polar coordinate system.

For iris recognition, which component of the gabor-filter response is used: Phase Only

Both real and imaginary components of the quantized gabor filter responded are used for iris matching: TRUE

Distance used for comparing Iris Codes: Normalized Hamming Distance

(normalized euclidean distance also acceptable)

- Integro-Differential Operator

Fingerprints are also known as: Friction Ridges

Examples of singular points: Core and delta (level one features)

Ridge frequency map is an example of : Level 1 Feature

Identical twins can be differentiated using their finger prints: TRUE

Higher and symmetric volar pads generate: Whorls

Electricity resulting from the application of mechanical stress is known as:piezoelectric effect

Fourier Transform of a local fingerprint region is typically used to estimate: frequency and orientation.

Scars, freckles, and moles are examples of : Level 3 Details

PCA uses labeled training data: FALSE

* It is unsupervised. It uses the direction of variance.

LDA uses labeled training data. TRUE

Given a set of high dimension points, PCA can be used for: dimensionality reduction and finding direction of maximum variance.

Local Binary Pattern(LBP) is an example of Texture-based face Recognition

(scale and feature based transform also texture-based)

The two matrices computed by LDA are: within-class and between-class

\*\*\* Be able to find the value of P and R for LBP operator

P: points, and R: radius

Disorder in which a person loses their ability to recognize face: prosopagnosia