

CS 663 : Digital Image Processing

Assignment #4

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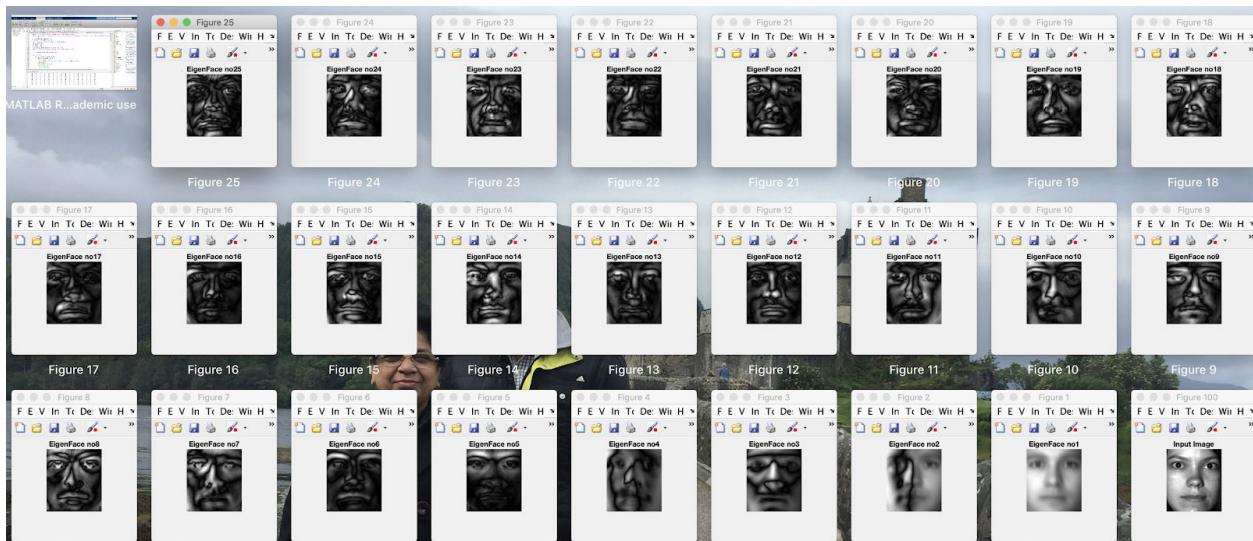
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Q2

Display in your report the reconstruction of any one face image from the Yale database using $k \in \{2, 10, 20, 50, 75, 100, 125, 150, 175\}$ values. Plot the 25 eigenvectors (eigenfaces) corresponding to the 25 largest eigenvalues using the subplot or subimage commands in MATLAB. [10 points]

The code prints the nine reconstruction images and 25 eigenvectors on one go. It takes about 4 mins to run. I displayed all the eigenFaces separately.

EigenFaces



Reconstruction of one face

