Graph of the mean error rate, versus the degree of dimensionality reduction for a facial recognition problem on the YALEB data set **PCA** Error rate, (proportion of incorrectly classified samples) PCA/whitening 0.9 LDA **LPP** 8.0 Fast ICA 0.7 0.6 0.5 0.4 0.3 0.2 L 0 20 40 60 80 100 120 140 160 180 200 Number of dimensions that were preserved