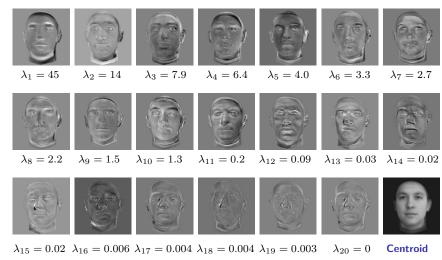
Subset of MIT-CBCL Face Recognition Database

(10 subjects, 2 directions of illumination: n = 20; $p = 200 \times 200 = 40,000$)

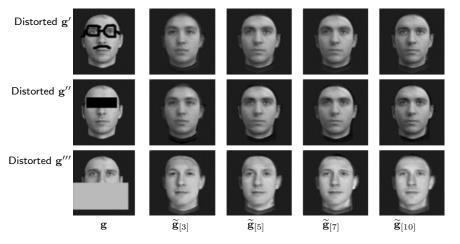


Eigenfaces for the MIT-CBCL Image Subset

 $(n = 20; p = 200 \times 200 = 40,000; \lambda_i \times 10^6)$



Eigenfaces in Image Representation and Restoration



Under large distortions, the projection onto \mathcal{L}_m cannot restore the original image...