load('matlabclown.RData') svdX = svd(X) U = svdXu $S = diag(svdX$d$)$ V = svdXv $k = 10$ $M = U[, 1 : k, drop = FALSE]$ $S[1 : k, 1 : k, drop = FALSE]$ $t(V[, 1 : k, drop = FALSE])$ $image(M, col = gray.colors(k))$