Mid Project Report

Part A: Data Construction and Parameter-Setting:

Figure from Mat Barbara Imag		Figure from Matlab: DCT dictionary		
Part B: Compute the Representation Error Obtained by the DCT Dictionary				
Insert average MSE for train set:				
Insert average MSE for test set:				
Insert average number of non-zeros for train set:				
Insert average number of non-zeros for test set:				
misere average number of non-zeros for test set.				
Part C: Procrustes Dictionary Learning				
The obtained learned dictionary:				
	Figure from Learned did			
	Learned and	ctionary		

Discuss the obtained dictionary:				
Average MSE and number of nonzeros as a function of the iteration (train-set):				
Figure from Matlab: Average MSE vs. # iterations	Figure from Matlab: Average # nonzeros vs. # iterations			
Discuss the obtained curves:				
Insert average MSE for test set: Discuss the obtained MSE:				

Compare the results of the DCT dictionary and the learned dictionary:		