Indian Institute of Science

E9−252: Mathematical Methods and Techniques in Signal Processing

Instructor: Shayan G. Srinivasa

Homework #9, Fall 2017

Late submission policy: Points scored = Correct points scored $\times e^{-d}$, d = # days late

Assigned date: Nov. 15$^{\text{th}}$ 2017 $\qquad$ **Due date**: Nov. 29$^{\text{th}}$ 2017 by end of the day

PROBLEM 1:

Implement an image compression system using KL transform to compress **baboon.png**. Compare the efficiency of this system with that using wavelet transform. $\qquad$ (50 points)