CMPT 365 Multimedia Systems

Written Assignment 1

Deadline 6:00pm, Feb 12, 2021

Note: This assignment is NOT group based. TA will provide submission guidelines.

Texbook 3rd Edition (Please see Canvas/Files or Dropbox for the 3rd Edition chapters)

1.5 Q5
6.4 Q1, 2, 4, 8, 12,
4.4 Q 8, 9

EX1:

Assume that a PC has a working noise of 50 dB. What will be the working noise of 5 such PCs ? What about 10 such PCs? working sound level

EX2:

Assume that a camera's CCD sensor has some error in capturing colors. Basically, its R becomes (real) R/2+G. Design a matrix that correctly converts its captured R, G, B to the real Y, U, V.

EX3:

List three multimedia applications that were launched in recent five years. For example, TikTok, social media sharing platform for short videos, 2017