ELEG 5693 Assignment # 7

1. List the three major diversity categories. Give one example for each diversity technique.

2. Use Matlab generate four independent flat Rayleigh fading. Use $f_d = 180$, $T_s = 40\mu s$, and $N = 1000$ for each fading. Plot in the same figure the SNR after

   (a) Selection diversity

   (b) Maximal Ratio Combining

   (c) Equal Gain Combining