E6712: Homework 5

Due date: April 26, 2005

1. Write a simulation program to evaluate the error-rate performance of the maximal ratio combiner for BPSK and DPSK with $L = 1$, $L = 2$, and $L = 4$ levels of diversity in the range of $\bar{\gamma}_b$ from 5 to 40dB. Plot the results on the same graph using the logarithmic scale for the error probability axis.