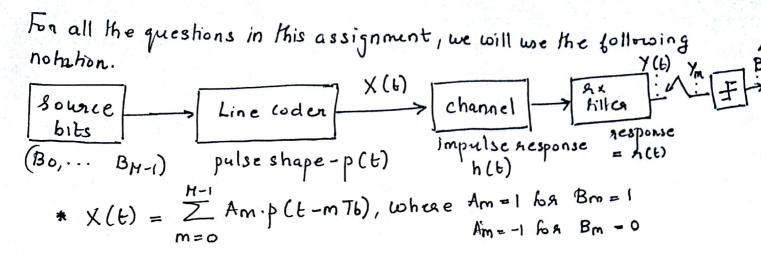
AV324 - Assignment 1.



DSuppose (Bo, ... BH-1) are independent and Bermulli dictibuted with Pr? Bm=13 = 0.5. In class we had found out the energy spectral density of X(t) when p(t) is a rectangular pulse P(t): 1 a pulse

What is the enersy spectral density of X(t) for this pulse shape?

2) suppose the effective pulse shape g(t) from the source to the samples, (i.e., g(t) = p(t) * h(t) & s(t)) is the following g(t), 1

Design a tapped delay equalizer with 4 taps (so that you have weights wo, wi, wi, wis) so that the no-ISI condition is satisfied (as much as possible) at the output of the equalizer.