Problem set 7 Problem 4: implementation of adaptive equalization using training sequence



Fig 1: estimating the delay for tap weights 7.



Fig 2: estimating the delay for tap weighs M=9.







Fig 4: estimating the delay for tap weights 7 with eigen spread control parameter F=3.



Fig 5 :estimating the delay for tap weights 9 and eigen spread control parameter F=3.



Fig 6 :estimating the delay for tap weights 11 and F=3.



Fig 8 :delay estimate for tap weights 11 ,SNR =10 and F=3.2



Fig 10 : convergence of weights for F=3 and SNR = 10



Fig 12: mean square error curve for F= 3 and for tap weights 7.







Fig 14: mean square error urve for F=3 and tap weights 11.







Fig 16: mean square error curve for F=3.2 and tap weights 9



Fig 17:mean square error curve for F=3.2 and tap weights 11.