Problems to study for RPs Fall 2021 sorted by learning objectives (aka tasks)

Jash 1: (from Topics 4.1 and 4.2)

Given a word problem of a RP, find key characteristics like PDF, mean, variance, autocornelatori

Sample problems

HW 11 #4

HW 11 #5

world problem ch5-problems #42

discrete time "derived" RP Ch 5-problems # 47

Final Fall 2019 # 6 Final Spring 2018 # 12

Tousle 2: (from Topic 4,3)

Given a RP and its mean, and autocorrelation and/or autocovariance, identify whether RP is WSS or not

Sample problems

ch 5 - problems #47

Final Fall 2019 #2

Final Spring 2018 #12

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Task 3: (From Topic 4,3)
      Given a WSS RP, with Rx(t) given,
         find second order momento of
         samples of X(t) at different times
 Sample problems
      Ch5-problems
                    # 45
                      # 46 Cincludes interpreting
      Chs-problems
                                    Rx(T))
      Final Fall 2019
                      #7
Tash 4: (from Topic 4.4)
       Given a WSS RP input XIE)
        and an LTI System w/ H(f)
        find mean and autocorrelation of y(t)
 Sample problems
                         # 43
        Ch 2-broppino
      tinal Fall 2019
                          #1(b)
       Final Spring 2018
                         #1
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