Lab_vaja_1

14 March 2023 13:08

private disk space Y:
↑ Shranjeni tu

code in .m scripts

clear all → clear memory
close all

write code that it will be reused again
↳ next lab
↳ seminar

<u>expectation</u>:

- 3th / 4th visit – important
- 1st / 2nd → no reports → just code at the end
- 3rd → short report (2 pages)
- 5 times visits, report, some questions
- 6 th visit → assignment for seminar
  - 2/3 week to do the work and report
  - to 1st may
  - 20 april →
  - 3 weeks → 10th may
  - 2 weeks later → defense
  - 20th of may finished

oral → • what techniques used
• tuning the algorithm

seminar individually
lab → pairs

3rd → nonparametric model → paper report
→ parametric model

in seminar both methods
report / oral presentation + 8to / eng

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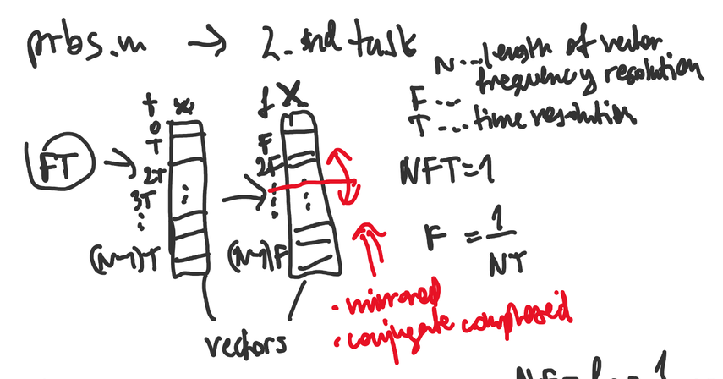
1. VAJA

MEASUREX.DAT
↳ each group one letter } 1st task
↳ X:\IDENT

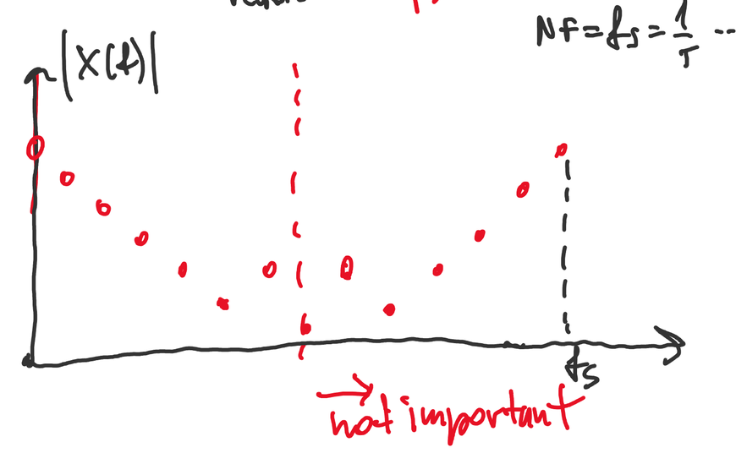
prbs.m → 2. 2nd task
N … length of vector
F … frequency resolution
T … time resolution



NFT = 1

$F = \frac{1}{NT}$

$NF = f_s = \frac{1}{T}$ … sampling frequency



$G(j\omega) = \frac{Y(\omega)}{U(\omega)}$ — array, array — fourier transform

frequency response of system

dividing vectors → X – divide by elements
dividing arrays →

Y/U → X ⟹ Y./U (dividing by components)

help bode → for bode diagram

$N_0 = 0.209$
$N_\infty = 0.025$

realni poli,
29, 30 →

2 pola
↳ nima kompl. konj. polov
2 red.

proporcionalni

- hore webu
- najmanj 2 reda
  - dominantni pol
  - najhitrejši pol } sistem 2. reda