Date: - 28/8/2020 Name: Poojary Eushant Course: - Digital signal procession USN: 4ALIBECGOO Topic: Introduction to FSL semester: 6th sem B sec , dunction continous $X(F) = \int_{\infty}^{\infty} n(t) e^{-j2\pi F} dt$ analysing function: Ya(F)= (n(t) cos 171 ft dt, Xb(F)= In(t) sin 251 Ft dt discrete XK= Znn.e N TK = Xo e book + Me + ... xne - bN-1j Euler's formulas: eik = (05 ktjsinh xk= xd cos (-bo) + tsin(-bo) Fourier sens f CN = AO + E (AK COS(KN) + BK Sin (KN)) $f(x),g(x) > = \int f(x)g(x)dx$ FIBRE! f19 DX = & f(x,1c)g(x) DX Pj, Dk >= [eijk=ik x dn = fei(i-k)x dn = [cij-k)n7 0 it 5 fk

Scanned by CamScanner

0 itj = K

senes using mattab Fourier Clear all close all cic Figure Set (gcf, 'pointon' [1500 200 2000 120]) l'define domain L= Pi; N= 1024 dx = 2 + UCN-0; X = Lidxsli · l· define hot function f= 0*X; f(N19:N1)=4*(1:N/4+)/N; F(N/2+1:3+N/4)=1-4*(0:N/4-1)/N; Plot (xf!-101/Linewidth (3.5) hold on 1. compute former senier CC= (jet Cro) Are sum(f. *ones(size (x)))*dx/pi; FFS= A0[2 for (=1:20) Alk) = sum (f. *cos (pi+ letx/L)) dx/Pi; BU(c) = svm (t. \$\frac{\psi}{\sin} (\rhi \psi \psi/\lambda) d\x(\rhi) +Fs=Fs+ALW+cos(K*Pi*x/L)+B(k)+sin(K*Pi*x/L) Plot (x, FFs, -1, color, C(ki), linewith, 12) Pause (1) end 1/2.1- Plot amplitudes set (get, po 2701, [1500 200 2000 12000])

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Clear EFRITA Manufall Mallin house
Clear A
FFS = A0/2;
ACI) - Aolz [Pi]
ERR (1) norm (+-FFS);
 kmax = 100;
 for k=1; kmax
   A(141) esum (f. +cos (PIXK*X/2))+dri
   BCK+i) =sum (f. +sin (Pi*k* X/L) )+dn;
    f Fs=fFs+ACk+1) + cos (k+ Pi+x/L)+BCk+1)+sin(k+ Pi+x/L);
    ERR(KH1 = norm (+-FF)/norm (+);
 end
 thresh= median (ERR) + sqrt (k max) + 4/squrt (3);
  r=max(find (EFB )thresh)),
   Supplot (2,1,1)
   semilogy (0:1: kmax, A(x', inewidth, 1.5)
   hold on
   semilogy (r,A(rti), co; Linewidth, 15, marker Facecolor; c')
    xim([0 kmax])
                        C' d'Chi Vincil.
    xim([0^(-7)])
    Ylaber ('Mode Amplitude', Fonsize', 16)
    subplat (2,1,2)
     Semilogy (O: 1: kmax, ERR, K, Line width, 1.1)
     hold on
     semilogy (r, EPR (r+1), co', Linewidth, 15, Marker Face Color, c')
     xidbel ('Mode Number, k!, 'Font 120', 16)
     ylabel ('Recontruction Error', 'Fortsize', 16)
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and aibbs Phenomena [Matlab]
Fourier series
clear of
close all
1 = 27 Pi
N= 1024
 9x = 10x4
 X= Or qx31
 f = zeros ($120(0)) ((5)4 7 /47) 00 10 1) mo 2 (101)
                   (1) R HX END (28. 10) 200 112 1 1
 f=(256: 768)=1
 Set (get, position, [ 1500 200 2000 1000])
 figm
                           (1-1) Tar(1 = 1+1) 771;
 ffs = Zeros (812e ()0);
 Ac CIPi) + sum (f. * ones (size (x)) * dni
  for m = 1:100
                        ((dmile (1)) 50) 1000 c
      FFS= Aolz;
      for k=1:m
       AK=CIIPi) + Sum (f. cos (2+ PI*K+ X/h))*dn;
       BK= (1/pi) + sum (f. sin (2*pi*k* r/L)) + dn;
       fFs=fFS+AK+cos(2*K+P) &XIL)+BK*sin(3*K+Pi+N/)
    Plot (x,f,'k', 'Linewidth', 2)
    hold on
     plot Cx, ffs, k', Line width', 1.5)
     Pause (0.1)
 cuf
rolo) not restor Marita 1000 1 for (oka) 14 to) in color
             the tooth building both buteds
         (It I had ' round was in dealer of ) Interes
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Date 20 May 20 10 Name! poolary sustant concre bython oungens USN LATIBECTOS Topic: Fixing Programin Emorphebile semister: 6th sem Blee blocker Report import time from datetime import datetime as dt hosts-temp = r" D: \D nopbox \pp\block_websites \Demo\hosts" hosts - poth = "letelhosts" re direct = "127.0.0.1" website _list = ["www.facebook.com"! facebook.com", "dublig.mail. (he com", "www. dub 19 mail. live_come) while True: it dt (dt.now(). year, dt.now (). month, dt.now ().day, 8) cdt. It (dt.now) year, dt.now (). month, dt.now (). day, 16). Print (" orleing hours") with open Chosts - Path, 'T +') ou file content = file = read () for website in content Paul else: The work (redirect +""+ website + "\h") else with open (hosts-pathirt") as file: content = file - readlines () file - seek() for the in content: if mot any (website in line for website invelocity - list)

the work (line)

The truncate ()

Print ("Fun hours ")

time - sleep(s)

and a few for all a few these

✓ What you know € What would the following code generate? mydict = ["name":"John", "surname":"Smith"] print(mydict) Here's one more challenge. What would the code generate this time? a = [1, 2, 3] What would the below code output?print(John) ✓ What you should review What would you get this time? mylist = [John, Jack, Jim] print(mylist)

