become 2) Tubrial 057 Bostem 4: PartI Lot run = Ult-3) - ult-5) and hun = E3t wer. Find the framer a) Jun = run \* hun? of gen = of [ours] \* her ? c) Relationship beth get and Jet? : nun = ult-3) - ult-5) :. ur-3)={1, t-3>0 un={1, t>0 m= (=3+) +20)

nes of her =- do = y(1) = y(1) = fx1=y(1) q == dc dc dc dc dc : Jun = ( 21t). Let -47 dz

(a) 
$$y_{1} = \frac{1}{2}(x_{1}) + h_{1}$$
  
 $y_{1} = \frac{1}{2}(x_{1}) - \frac{1}{2}(x_{1})$   
 $= \frac{1}{2}(x_{1}) - \frac{1}{2}(x_{1})$   
 $= \frac{1}{2}(x_{1}) - \frac{1}{2}(x_{1}) + \frac{1}{2}(x_{1})$ 

@ gun vo. jun?? gin = dyin Bathern B Counder a coural LTZ

Bathern whose it put news and wight

gens are related by the dutternie equaling, Jun = = { Jun 1) + min! Determie Jun : if zun = din+). Soll: - & Smie le form is LTI and ravail, unis propromo 1.3 L ig 2m1= obus = 2 Jun1= 0 for 104) -2-10

Gover buttenere egh RILTI sollen Jen = 4 Jun-1) + mn1 Let nini= onni) 9 ms = \$ Amms + general = = = (-1) = + X0 + o 963) = J'm) = (4)? - uen-1)

Bothem 61 Let hin be the mangular puble chemen in fig. and let sect for the separal shows in 1 A A .... -2T -T 0 T 2T Determie and sketch yur = nuh # hur)
for Bollowing values of To?

a) T=4, 97=2, 97=3/2 d)=7=1 Solm -tyon = wh \* his. Ruh = 5 oct-nT) :. yen = [ = or - xT)] \* hen. Wing dembutine property,

(SU+T) \* her) 84-T) \* Wh, +. (++T) (hun)+ hut-E Sampling Theory

Turnial 06) 2.1) Since Systems are equirallent I the overall impulse regime of carrable In Eremechi 16 hen) = h/n1 of hens hin) = 5th (14). ho(n-14) hu= 2 (3) " uck) (6) " ummy hm1= (2) [1- (13) h+1) um.

2.2) Investigate Autility & amount. Han = 0{ new} = xen-(i) 40 Ling = 8cm-ny). y Caural\_ Per Otalility [ [ ] Lead | Lead | 2 | dex-ne) L'us Fry LTZ room, (hen) hun1=0 Por nZo

ii) Juni = D{ want} = 5 neks. => Aanmluhr hem = up. tren1=0 Per n 205 ?? · · · · · · · · · · · · 2 | hurs | = ( 5 | min ) ] foo · Vrotable (ii) Jun = 20141) - 2001 - Survard hing = dlassy-dlag himi= o for no =>X State.

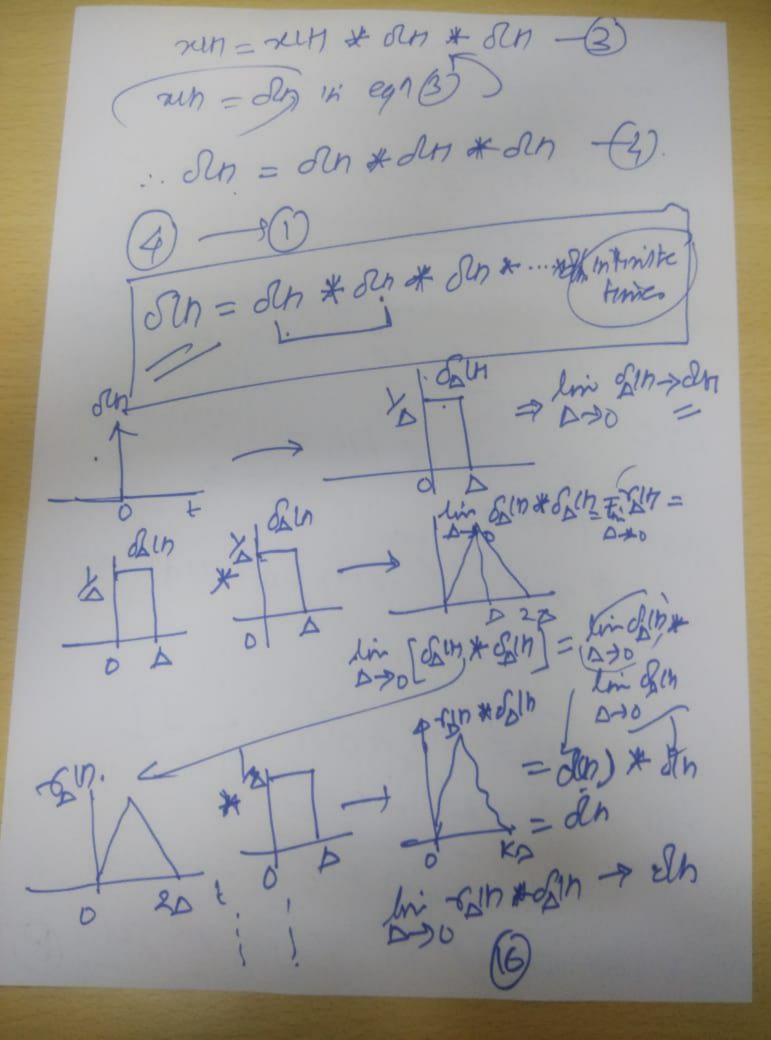
in) Jan 1 = Dfmn13 = xun 1 - xun-1 -> Backmond d Kan = dan-demo) (Win) hanzo for he o · Cousal form BIBO Show

Singularity Functioner Smopleter, Marins Genen ally determine of a marind indirates. Ishure it parallelypipe. in. n-dinerar for nxn square methis.

In Signals and offens, continue-time Impulse signal, oth, is an example of Singkanky Junchin, of Why to study our through singulants sun = oth Read Physical Str Rythem of In chapter 1 we studied that the origin Tennes of this real physical enter will not be dependence and indusdre pula height pula hape, pula ", khen sather its net integrating after i.e. its gorea => promonely we to agrems metra (4)

while will growthly this anolymos yill Singularity Franchis "impulse - like soubahair. Objective: To understand hory impulse organis och behavis under construction LTZ you = sun of her = Sourchet-gotz

SAMMY property. of significant to 1 nut) = 5 x10 . 81-45 = / C=- to Let run = admir agro The egn 2 in egn (), we get (3)



Toypure enuhuhi styral for LITE oysten will whome like i nimite distimler lon under convoir