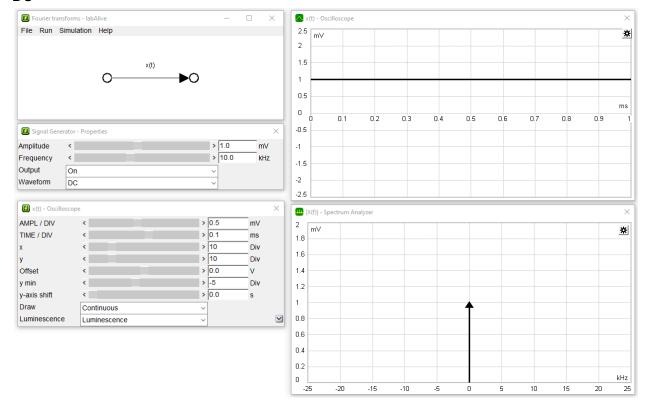
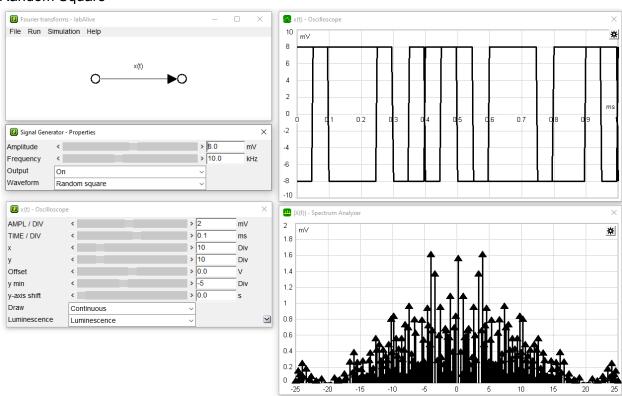
Date 12/3/21	Expt. No. 7
expt. Name fourier transform	Page No. 13
Experiment - 7	
Ainy:	
Observe the eller	
Observe the effect of au Wisabon on fourier transform	of following waveforms:
1) bc	
2) Pandom Square	
3) Laplace Sistribution	
4) Sirac Delta	
41	SIS CHEST IN PROCESS
Theory:	DEFENDED AND STREET
fourier transform is	simply a method of
grandler in term	is of the sum of the
projections onto a set of "emoye" is only defined on a domain, "it is integrable	clared and bounded
domin it is integrable	Over seal line
$f(S) = \int_{\infty}^{\infty} f(a) da$	e dx.
The result is a birace	belta function at E= Eo
which is the only frequency	component of the
The result is a birace which is the only frequency sinusoidal signal exists	,
Apparatus:	L
1) Java Rustine Environ	
2) Lab Alive Orline &	amma st.
	Teacher's Signature:

pate	Expt. No.
Expt	Name
	Page No.
-	Proædure:
	es start the simullator. es vary frequency and amplitude, and take the readings for be, Random square, taplace distribution and dirac delta waveform.
	Obseration:
)	De waveform does not change with change in forguency, and have only positive values of amplitude
2)	Many spectral lines was observed in case of random square mane with different patterns in range of frequency.
3)	Amplitude in excelloscope was greater than the signal wantform in east of laplace distribution curve.
1)	In dirace della wave, amplitude and spectral lines were same in both upper and lower bandwidths and no. of lines also changes with change in frequency value.
-	Teacher's Signature:

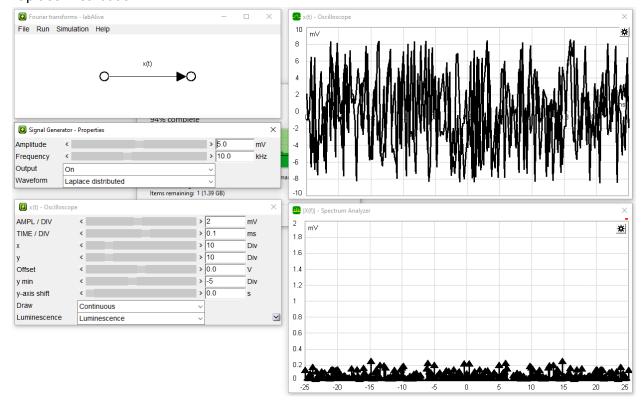
DC



Random Square



Laplace Distribution



Dirac Delta

