

© Dist	stibutive:	n (t)	$\times \left[h_{1}(t) + h_{2}(t)\right]$	= x(t) * h,(t)	+ 7 (t) * h2(t)
* Impulse	response o	f sor	me systems		
Ex.	y(b) =	n (t+i	1) + 7 (+ - 1)	נדם	
	S(+) -+	-1	S(t+1) + S(b-1)	= h(t)	
2	y(t) = t	7(t)		··· not LTI	
3	y (t) = :	2 (t)		··· not LTI	
4	y(t) = _				
	y(t) =	5 a	n(r) dr	··- LTT	
	9(t) <del>-</del>		u(t) = h(t)		
* Convolution	n integral	examp	ple		
			2		
O conside	er a(t)	= -		2 h (t) = -	
					0 1 1
Find	y(+) = 2(	00			
<u>→</u>	y(t) =	-@	2 (2) h (t-2) dz		
Steps	of convoluti	<i>ο</i> η :	Thip i.e.	h (-z)	





