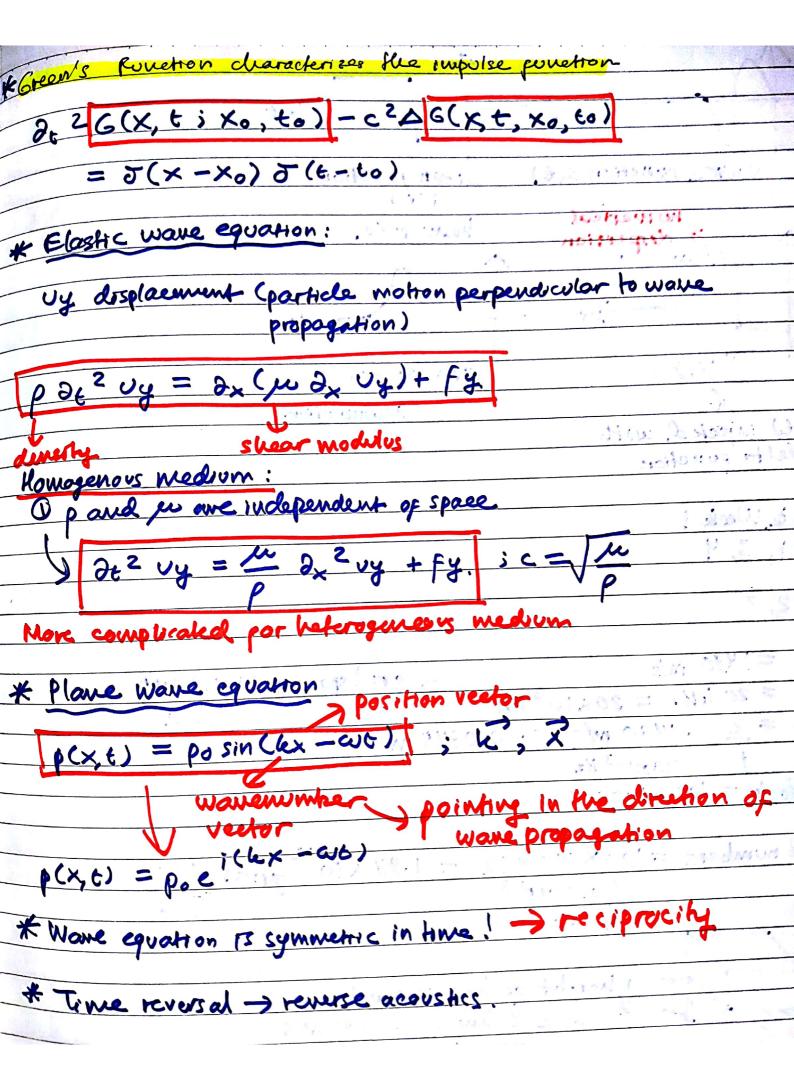
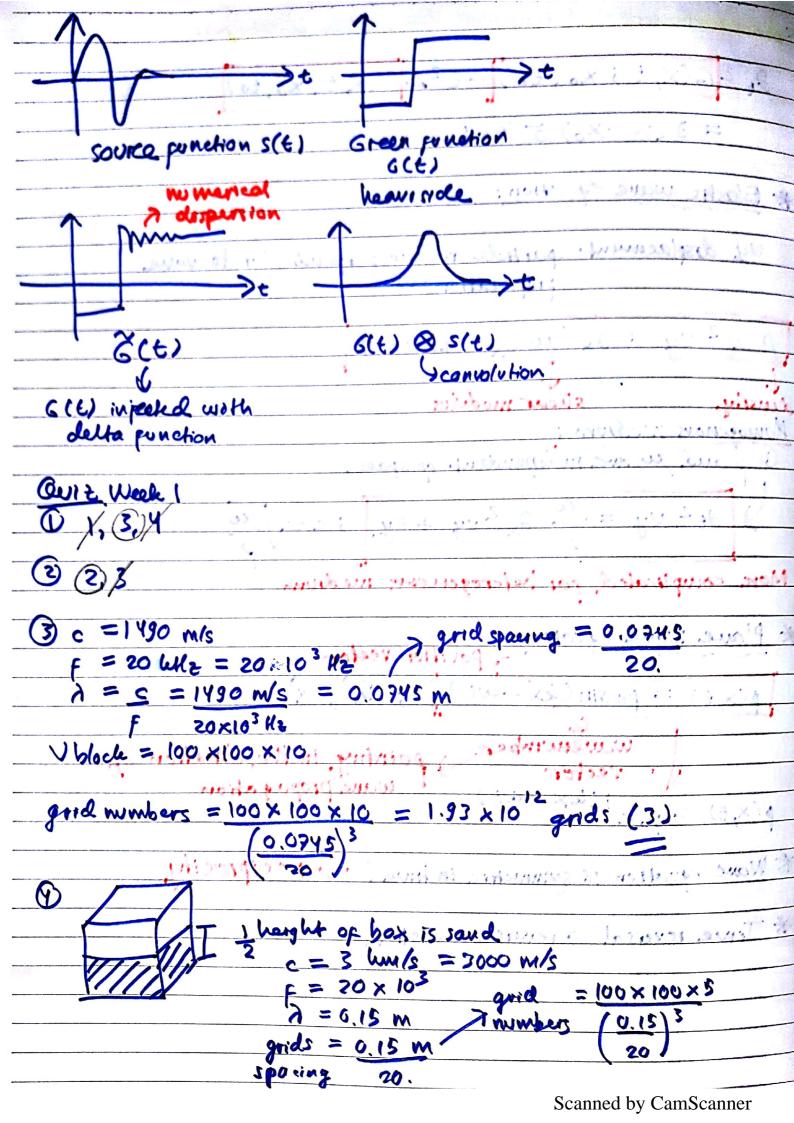


Date Besolt must be the dipersion relation: * Another Form of the equation 2+p(x, t) = c 2 2xp(x, t) 2 p + c 2 x p = 0 => P+ + cpx = 0 APX +Bpx+ +Cp++ +Dpx + Ep+ + Fp =0 Fourier transporm Ax2 + Bxt + Ct2 + 0x + Et + doson munant types: B2-YAC =0 -> parabolic B2-YAC CO ->eliphi) R2 - YACONDON TO hyperbolics Copper (coeff of per) is 1 - AP XX COOFFICIENT OF PXX 15 62 BRAL (coefficient offxt) 150. HAR US HYPE PROLLIC

Introduction	to parelle	d Simulations
Architecture:	, ma f	
SISO	MISD	SISD: Single Instruction Single Data
senal	cryptographic decoding.	MISD: Multiple Instruction Single Data
SIGMO	MIMD	SIMD: Single Instruction Multiple Data
6PU cluster,	Supercompukas	
CM2	PC cluster.	MIMD: Multiple Instruction Multiple Pater
		type of wemony
		* Shared Memory -> several cpus have
		access to the same
		Memory > CPC memory space
		CPU
		CPU
Contract of the Contract of th	**	Distributed wemony.
		CPU Network CPU - 191
		vensent mensent
		lybrid Distributed Stated Humany
animuoze t	with Pyl	hon -> using: Nultiple - Passing
7	0.00	· · · · · · · · · · · · · · · · · · ·
K Wave Equa	ation:	algorithm is efficiently scaling!
2t2 p(x, Analytical	ϵ) = $\epsilon(x)^2$ sowfrons:	$\partial_{x}^{2} \rho(x, \epsilon) + s(x, \epsilon)$
if c(x) =	co and slx	$E) = 0 $ if $s(x,t) = \overline{s}(x-x_0) \overline{s}(t-t_0)$
p(x,t=0)	=p ₀	
Dt p(x,t =	() = C	Simpulse function
- 1		





```
Total and numbers multiplied by 8 by ks

C = 1490 \text{ m/s}

C =
```