Cot. cs 16/25 (lus 47 9-8-2020) Housework du formocrow at 5.00 P. M Fin - m<sup>2</sup> (y-1) When VLC ( > Fun EMV? (t+x) ~ ~ / + nx XCC1 Winnight Clarg. Eg

h f h (Z, t) Eliny - lasgifuding Up + down - branswise 10 Th Transmise New Force

1 = T [ az 0 2 h] Sto-(MSZ)(Oh) 1 Fa - 1 Fi T [ 17 0 2 h ] - (u st) (dh) 022 - 1 0h 02/  $\frac{1}{\sqrt{2^2}} = \frac{1}{\sqrt{2}} = \frac$ 1) Yeranghla (x, f) = 4 (x-4 f)  $\frac{\partial \mathcal{G}}{\partial x} = -\frac{1}{\sqrt{2}} \frac{\partial \mathcal{G}}{\partial x}$   $\frac{\partial \mathcal{G}}{\partial x} = -\frac{$ 9,= Ze ~ (x+Z+) 2 (Ze n (x+2+)) = 2 ne n(x+2+) = 4 04 - 272 r(x+2+)- 22 0x 2112 (11/11/ 12 8/12 2 n (XH2H) le nx+2nf 1-4 Jescribel a wase! = le Mx 2177 t f(x t v f) mvis a wave But... Which is a wave, ?? - A d. Sourbance that moves from a source and carries energy. Lengtoned Frequency

Lengtoned Frequency

Lengtoned Frequency

Lengtoned Frequency

Lengtoned Frequency Angular frequency=cw[z, 42]

Angular frequency=cw[z, 42] Spatial Frequency ( Is a thing; m' !?!?) Nave # = Kappa (ll) [ in, m']

And Const - K [in, m']