assume

T ~ expjut exp-2X

 $j\omega T = K z^{2}T$ $z^{2} = j\omega/K$ $y = \pm \frac{(1+z)}{\sqrt{2}} \left(\frac{\omega}{K}\right)^{1/2} = \lambda + jE$ $T = Re \left[T_{0} = x p j \omega t e x p - \alpha x e x p j E x\right]$

A

At X=Xo, The amplitude is reduced and there is a phase change.

Now assume that a rectangular tumperature pulse is applied at X=0;

how does it look at X= X0

IL >

why the prise Groaden

d ~ Jw

higher fraguencies decay more rapidly with distance.