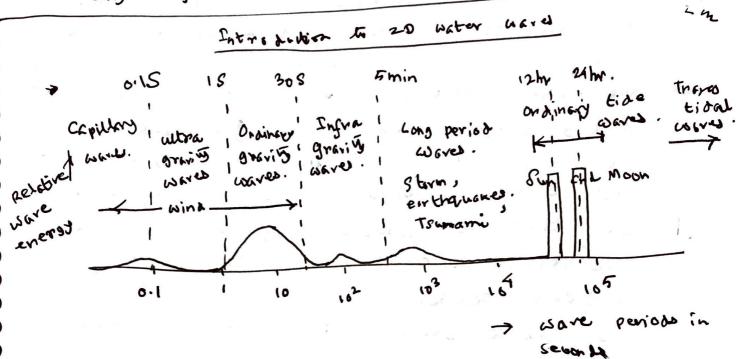
えー えっかんらうう

じ= 842.

-> dearly in solution of dig will depend on some only of etter. Thus, up is vortex-parel method we con show that the lift per unit spon reper or dighe of attack.



- Here we mustly deal with or than gravity warms. Their type of warm are granted dur to will and propugated under the action of gravity.

> ware period (ind) is a key parameter is spei speify a orve.

- HOW A. we reflike a resulty (20) wave? amplitude (a) wave west of wave length (3)-+ n=n(n,t) (wave profile) neight (4) h (water repth) $N = N(2,t) = Q \left(\frac{1}{2} \left(\frac{$

desime the wave profile void visits both over sprangered time. This how not necessarily appeals to the fluid blow bene cut the univerposition. It wave profile moving with a speed does not when that the fluid is done direction. The interplay betwee the wave profile and the wave profile and the detail in warrooms water universe in some detail in warrooms water universe of this is furthermore water universe from a free stream live river is mining with a constant of the stream live river is mining with a constant speed.

20

-

- we need to strow with a way because:

On movement of stank depends on properties of
water wave in a coast.

ii) An offshove plate form vita a driving deple nearly avount 300 m, is very expensive and. It must without and large wave in fluces fines during a storm & surge.

on sea, all ships are subjected to

we wire attent. I moving ship ornarated

we have pattern. Thus the the water

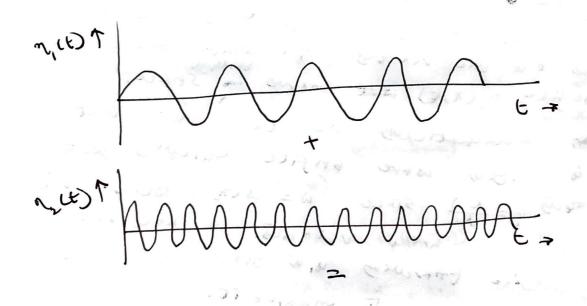
were constitutes to be resist on all

orperschales by the ship.

of the measure of white of the children we may see that the meorable is not regular as we use to be refine kers parished on and length.



THE WE BY ITEM MED TEMPER WHILE BECAUSE INTERPRETATION OF THE STATE AS A STATE AS A STATE OF THE MEDICAL AS A STATE OF THE MEDICAL AS A STATE FROM THE CHARLES AS A STATE STATE OF THE STATE OF THE STATE OF STATE OF STATE OF SHAPE OF SHAPE POSITION.



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wall comment

2

+ What is usure hispersion?

 $\lambda = \lambda(\lambda) \leftrightarrow \alpha = \alpha(\lambda)$

the with of different length travers with infferent vers cities. This causes a wave of me length to the disintrigrate from another wave of another some of the length. Similar property is also beserved with light waves if we recall herpe what happens when a similar passes through a prism.

in outer wows is that form there must have relative for a rever she is the most relative for a rever she is the mount relative and insther is phase relation.

Suppore, we have a wore of the form

its phase relation to refined to L= $\frac{\omega}{K}$.

this to the velocity 41th which the women through through the profile of (2) to with moves in space.

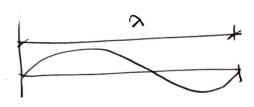
However mathematicum we can ghow that there is a structure or file tour curing with remarking $G = \frac{d\omega}{dx}$ since $\omega = \omega(x) = \omega(x)$. It is known on a type verous. We not see this profile transming with or up retries G phosically. We need to imagine it.

Show the wave profile the structure of the structure, where,

7,= abs(Kix-0,t); and n= ap los (Kix-wit).

no unforms to a modulated were profile travelling with speed of some as grown ration variety.

[wave much :



K= 3.

Kz = 6 (3).2

HE neet of to fe into the interval 2x8. If

He neet of to fe into the interval 2x8. If

If while number is (man, or took means where

length is have meeting we can fit for the

length is have meeting we can fit for the

lawe from in a few numbers into the interval xing

there to this, we see that, to the interval xing

The this, we see that, to the continue and

60 60 (DECENT)

63 (LL) = 68 (L(x+A)) = 68(2x+ KK)

by, K72 25, by, 8 K= 25

(B(K) - OS) = (B((K) + 2A) - OS) = (B((K+A) - OS)

W, KX + WO = KX + K.7

0, K= 2.