

N3.4. Dano: Pemerne: l=2 au l. (ne-no) = sm) N=20 ng= 1,000276 $ne = nb + \Delta m \times = 1,000P65$ 1 = 589 Hum Houter 11: nce Orbet: ne = 1,000 865, consujerue 6 cropary Tryoku N3.20. Pemerue: Dano: n=1m L = 200m Hautu: U(t)

1)
$$SY \approx LSind$$
, $zge d-you notopota 3emm.
2) $U_1 = U_0 \cos(\kappa X - \omega t)$
 $U_2 = U_0 \cos(\kappa X - \omega t)$$

3)
$$U = U_2 + U_1 \sim U_0 \cos(\frac{\kappa sr}{2}) =$$

$$= u_0 \cos \left(\frac{i\pi L \omega_3 it}{\lambda_i}\right); \omega_3 = \frac{2\pi}{T_3}$$

4)
$$T = \frac{2\pi}{\omega} = \frac{2\pi\lambda}{\pi L \omega_3} = \frac{2\lambda}{L - en} = \frac{\lambda T_3}{\pi L} \approx 2,3 \text{ mm}.$$