3. Dano: Thenway T=1.25. announged $\alpha=2.2\times10^{2}m$, chopocomb boutter V=1Tm/s, $w=\frac{22}{12}=5.2$ rady $\{(x,t)=0.02\cos(t2t-2.9x)$ Haugen anewerne borth Jurga x=45m u t-4c. CNEWBHUE X = { C 45, 47 5 0:02 m 4. Dano: de ds = 30 m/c, ds = 15 x10 2 m Tranomum S(x,t) = A cos(wt-kx) As = - Awsinlut-kul D ds = # Ak sin (wt-kx) K= 40 Uz Oug! $V = \frac{k u}{k} = \left| \frac{-Awsin(wt-kx)}{Aksin(wt-kx)} \right| = 2000 n/s$

FRANK VARAV VARAV WARA