OFT & a function f(x)= f(x)= == == -2xikr/N Threse DFT & Fles= P(x): \(\frac{1}{2} \) flese It I multisly this by a phase >s 271 KX/N -271 KXO/N flx-ro): Efluse = Zf(k)e 2nik (x-xo) Thus, nultiplying by a phase in the spouner space courses a shift of the array in the real of space.

1,m 1,-0 exp(o) + explo) + -- N times It is an integer and not a multiple of N -3 N-1 $\sum_{x=0}^{\infty} \frac{exp(-2\pi i kx)}{\sqrt{1}} =$ 1 - 648 - 521; F) (- efp(-znik) Since It is an integer. exp(-2xik) = 1

$$= \frac{1}{2} = \frac{$$

$$\frac{dsino}{\Delta t} = c$$

$$0 = sin^{-1} \left(\frac{c\Delta t}{d} \right)$$

It is the difference in the time of arrival of the gravitational wave at Hangad I livingeton defectore.

$$0 = \sin^{-1}\left(\frac{\cot}{d}\right)$$

$$\sin \theta = \cot \frac{\cot}{d}$$

I get the uncertainty for the TOA of the wowe at each defector. Then the uncertainty in It is obtained as is

(submarker rule for uncertainty)
Then I get =>

sin(ofro)= clotfrot)

0 + 80 = 250-1 (((0f +80f))

80 = sin-1/c (18+88+))-0