The plane
$$D=20 \text{ mm}$$

PLANE $D=70.5 \text{ pm}$
 $APERTURE$

SI = $APERTURE$

FOR $APERTURE$
 $APERTURE$
 $APERTURE$

FOR $APERTURE$
 APE

HOW MUCH D VARIES BYWN NEIGHBOURING MAX & MIN:

$$N = \frac{x^{2}}{AD} = 100 \implies EVEN NUMBER, A THE VARKE SPOT A THE K SPOT A THE NOTE OF THE NO$$

DD BTUN MAX8 MIN: DIOI -D=0.0002m THIS ROUGHLY KEEPS CONSTANT IF WE VARY D ONLY A BOLITTLE (COMPARED TO D)

INTENSITY: WHEN N=Z V=Z $D=\frac{r^2}{NA} = \frac{(10^3)^2}{7 \cdot 0.5 \cdot 10^6} = 1 \text{ m. AWAY FROM}$ THE APERTURE

33(11)
C) - O man ASIN a)
WE GET ANOTHER FOCI WHEN ZONES LET
WHEN \$=70 MATH WE HAD: SI (PHASOR DIAGRAM)
NEXT WE WANT 65] ZONE!
65] ZONEZ
NEXT FOCI: $f_{10} = \frac{S_{1}^{2}}{4} = \frac{(100.10^{-6})^{2}}{0.5.10^{-6}} = 20 \text{ m/m}$
$4z = \frac{20}{(2\cdot 1+1)} = 6.7 \text{mm}$
13= 20 = 4 mm Z.Z+1 = 4 mm Z.Z+1 = 4 mm REPRIVITING WITH OND NUMBERS BECAUSE WE BRIGHT SPOT
THE DIVIDING WITH GOOD NUMBERS GELAUSE WE SPOT

WE ARE DIVIDING WITH GOT NUMBERS SECTIONS OF BRIGHT SPOT

FWAL CLEAR MINIMUM: WHEN FIRST EVEN NUMBERED ZONE LETS THROUGH TWO ZONES.
IE WHEN THE UNBLOCKED APERTURE LETS THROUGH 4 ZONES.

 $D_4 = \frac{r^2}{NA}\Big|_{\mu=4} = \frac{(10^{-3})^2}{4.0.5.10^{-6}} = 0.5 \text{ m AWAY FROM APERTURE.}$