$$F_1 = \sqrt{\frac{r(R-r)c}{fR}}$$

max. rachis @ r=142

R= equipted distre r = distance from sopre

 $= \frac{R/2(R-R/2)C}{fR}$ - (R2/2 - R2/4) C FR

 $=\sqrt{R^{*}(1/2-1/4)}c$

- (R(1/2-1/4)c

= 1/4 RC

max(F2) = 1/2 /R4/f - FRESDECMAX

Q. Epwilted distance from max. radii?

F1 = 1/2 VRC/F

72F1 = VRU/J

=> 4F,2 = RC/f

7RC=4F12f

. R = 4 FIZ F < FRESNELDEST

* As it homes out (nie relation) if R = 540 km, F, may = 9 km