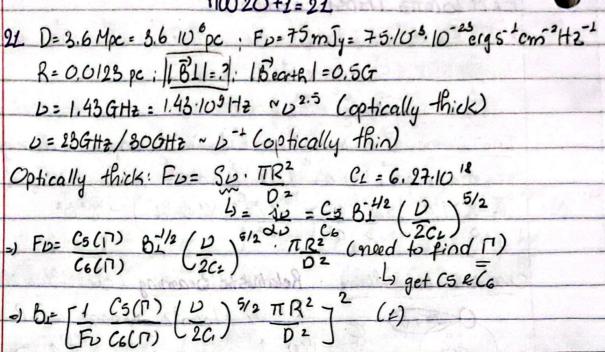
## HW20+1=21



To find  $\Gamma$ : Optically thin  $f_b = j_b V = j_b V = j_b v_j v_b v_b^{\frac{n-1}{2}} v_b^{-1}$ =)  $- \frac{n-1}{2} = -1 = j_b \Gamma = 3$  (Plug back in (1))

Co (3) = 7.97.10-41 =)  $BL = \begin{bmatrix} 1 & 7.52.10^{-24} \\ 7.52.10^{-24} & (1.43.10^9) \end{bmatrix} \begin{bmatrix} 5/2 & 7.0.0123 & 7 \\ 2.6.27.10^{12} & (3.6.10^6)^2 \end{bmatrix}$ 

= 0.41 [eg 5-1 cm2 HZ-1. HZ

