Physics IC Chapter 36 HW 36.15) f=88.91MHZ, a= 15m 36.3) 7=585nm, 2 0.0666mm a) Nf = C $N = \frac{C}{F}$ $S = \frac{C$ 1) sind = min Ocsinos 1 m= 113 226 fringes 0=26.74° @m=2 b) m=113 0= 42.45° @ m=3 5'n6 = 77 0=1,44 rads P) 10=3.4 m/45 10=2200 10=87.010 I=I. [sin(Ta sina)] 36.9) f= 1250Hz, a= 1.05n I=I Sin(Tafsino) 72 Af: Us 6= 0,096 rads -SING = MUI 0=15.19° @ m=1 36.42) f=135mm D=f, f=14m, 7=350mm 0=31.61°@ m=2 0=51,84°@ m=3 a) Onin= 1.227 Omn = 1.22 40 Orin=1,99×10-5 rals 36.11) 7=633nm, 9=0.400nm D=3.8m a) sind= = > m=1 tanoni = 3 6) D= = 52 tano = 20 Onin = 1.27 (227) W= 0.012m Onin = 1.01 × 10-4 b) sin0 = = -> n=2 tanonin= 3 0=0.18° W= 1.5]mm W,=0.006m

