The Shaden of the
1=6 mm = 230 1 = 242 cos2 (4/2) = 119.2 Wm2
5 Imax = 242 ws 240) = 242 = 2. R= [24 W/m3]
I Tor I max potent sty
42-41 S= 235 - 335 × (4NZ-41) ~
17-17 J 20 20 20 11-17
2 (92) 4-co2(0h) 2-co5(9h) 9-+1/3 0=+21/3
24/2 = 64 (12 L) 20 3 (4/2 - 4) 4-2 26 4/12
3
242452 2 1 5am
12-61 = 262-26
Laster 1 1 1 2 miles 2
50 199
n: 262 La 62 - 6; 2 20 2(m+1) 2(n)
4
on beam) I = I
Diffraction souther: (3) mode the grating tronizontally:
hyptsource how do the seaks to response
Pissance E. = E tos(cx - 12, r.)
1 [30 h y Ez Ecoelet-Lina) Approximent on Lis very big comparing
constructive intac: q = 2m TT = 2nd 3,
· P into
ķ
1 - 2 - (1 - L) 1 - L
The X
2=360 nm == = = = = = = = = = = = = = = = = =

Physics 214- avantum mechaniss
11 2; Tither Perenta ID=7 W/m2 I= 42 A= 140 = 2NTO
uswally ignore the prop constant
A = 120 40 = 172 Min amplitude = 1.826
Imin/ Imax 2 0:0658]
2) Howard p=300 A = A s. np= A sin300 = 10.54
A: 00 00
133
2 H S H I S A I
4 Sugar Summax
5. Agum = Agumin = 1809
6. Asum Aday = (A summax + Asummin) /2 Asummax = 24 Acoung = A
=1 423 42 - 242 cos 6 (= 2(1- cos 6) cos 6
-650)
180- 0 = Qay = 1120°
180 - 42 160 "
= ANSIZN3 ~ 2. 909A
1=4m = 335 m/ < 3
52 Inchila 4 - 27 6 - 25 m
2. 5-30 H2 V=AF \ 20.932, raud 57 c
0 (27/2)