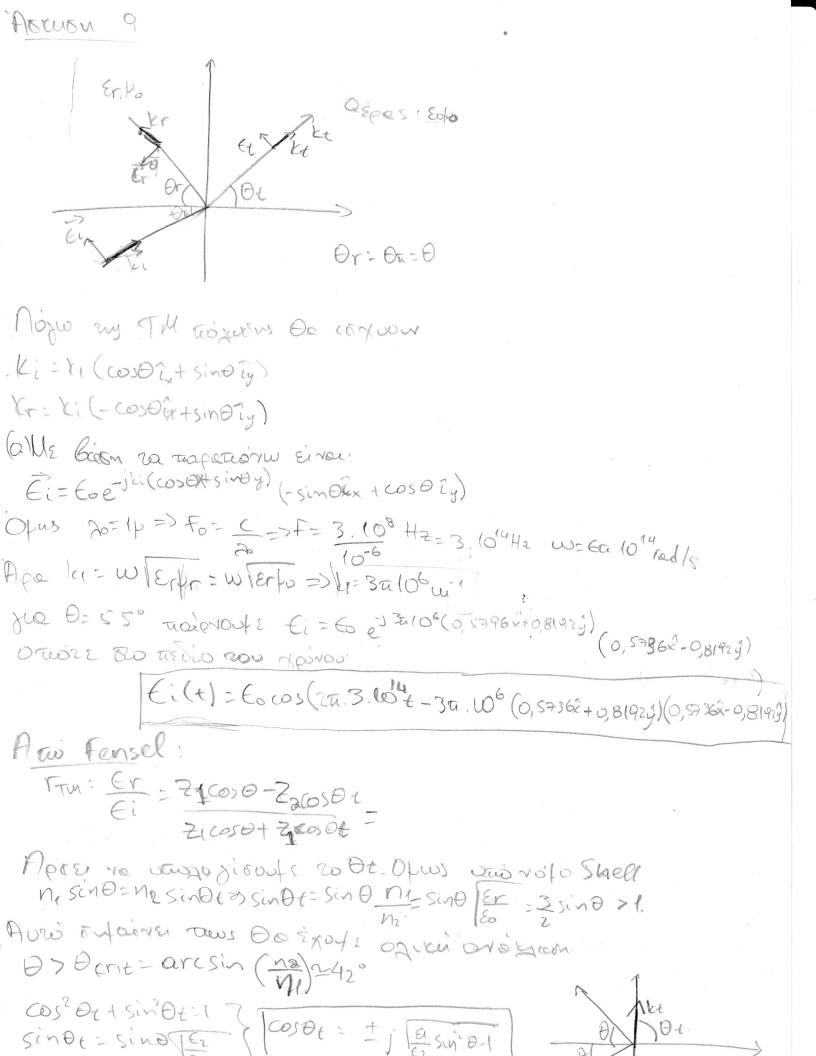


Operis owoness to H: (ERW Zo- FB) HI= TAI ENEZA =>(12)x(H2(2=0+)-H1(2=0-))=E Hz - 1 (Aze + Cze stz)) > (A+Bz-Az)-ix=(-zokoes(4)ix =A(+B2-A2=-2020ei9(3) Europeans rus moplases A(=AP+A21) >> B2=-20 koe'9
A(+B2-A2--20 koe'9) >> B2=-120 koe'9. (2) -> Az = Bze= > 22d >> (2= 20 to e)(p-22d) Apa A1=- 20 to eiq (1-e-12 td) Apa Boissen arrivator xa Ro H (arrivationalm)

H: 3 H1: ko (eig(1-e 52kd)) iy eikz.

H:- (-koeige-ke) ko eig(-2kd + kz))

jy (B) Toione oquaices ononker () Roy(t) = - Kocos (wtto - Zad) in & H(2=d,t)=- kocos (wtto-kd) in Fur Kojug × Bog + B2 (2-d) 20 40 Kog + Fa - 40 0 Fu-to Ko cos Witte- kd/2 (fui) - poto (cos (wt+6-td) îz= toto - 1 îz= toto îz + (fui) = toto îz 1 111 - cova. 4+20-26d)dt=



To ardio opina radius x>00 Frensel: TTM - 210000- 2200001 = 210000+ 122 /81 9100-1 210000+ 220000+ 210000- j 22 /81 81000+ Cow ton 6- 22 VEA sino 1 1 Apa Pru = 1+ j tang (1+ j tang) (1- j tang) (054- 1+ tang cos 4 (4) tong) (1- j tang)

1- j tang (1+ tang) = cos 20(1-ton 20+2, ton (4)= cos 20-5in 26+2cos (4 sin (6)) = cos(24)+sin(24) = e120 Atro () (q= corction (22 (81 sin²o-1) 21 cose) 7: IP >> 7 N= Lo Co (8) 3: LEX#* Forodog: -jwpo Ht-TxEt

=(trulfoei(4kgy) - Exposerior

=inot-jksinot+jkosoeltmlEo(-krkosoelei(4-kgy) - krkosoeli

=inot-jksinot+jkosoeltmlEo(-krkosoelei(4-kgy)) - krkosoeli

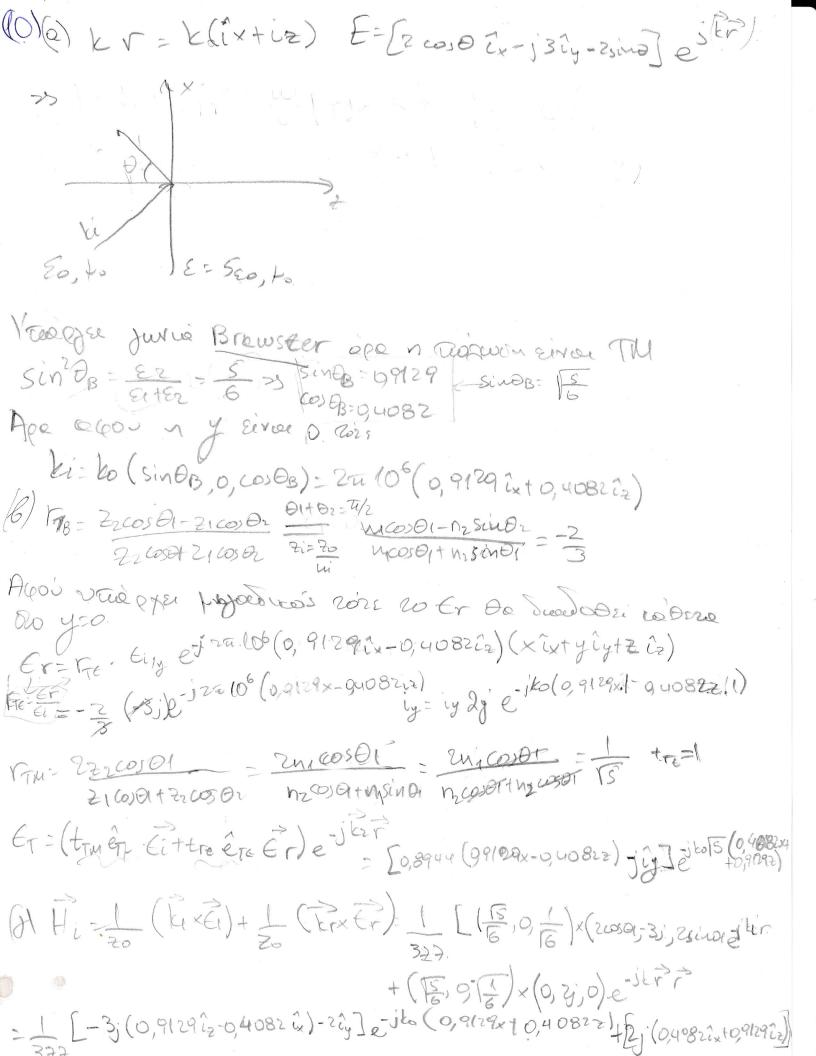
=inot-jksinot+jksinot+jkosoelitmlEo(-krkosoelei(4-kgy)) - krkosoeli

=inot-jksinot+jksinot+jksinot+jksinot+jkosoelitmlEo(-krkosoelei(4-kgy)) - krkosoeli

=inot-jksinot-Thoparepui on tear of Jio opor Erron Korvois opors Apa Diru y= trul Eoe-trasoel X esta-tisiney) mHt= 0 (kosOt |2- sin2Ot) îz & Ht= a* (kosOt)2- sinOt) îz.

3) 5 - 1 Ex Hi- a. at ((cos Ob) 2- sin 20t) (-jkos Ob (y) sin of (1) (X)

=
$$\frac{|\alpha|^2}{27a}$$
 (-sinOt ly+j|cosOt|ly)
= $\frac{|\alpha|^2}{27a}$ (-sinOt ly+j|cosOt|lx)
272.
28. $S = \frac{|\alpha|^2}{15} \frac{|15|^2}{15|^2} \frac{|15|^2}{15$



(5) r. 62:0-20 cos O1 X + SiND1.2=0 Apa que so. Éi: Ex-2005[wt-60(0,9\$29x+0,40822)] Ey=3cos(wt-ko(0,9129x+0,4082+5/2] = 3 sin (wt- 60 (0,9129x +0,4082) "> (Ex) 2+ (Ey) 2-1 -stand=cos(ut-Er+u/2)-ton(ut-Er) Apa sin'el cos 20-1 Eox=0) Profferi adjudy robin 80 Etil, apox sinon Fre So Er: The 20 Ei:

5 Ex + Ey = 1 & ton 0 = ton (ut-)cr) (E) Pr = 1/20/E1/2 = 2 (cos 2015 in 20)+32 13 = 0,307).

$$\frac{|Pr|}{|Pi|} = \frac{1/2 |Ei|^2}{|I|^2 |Ei|^2} = \frac{|Z|}{|Z|^2 |Ei|^2} = \frac{|Z|}{|Z|^2 |Ei|^2} = \frac{|Z|}{|Z|^2 |Ei|^2} = \frac{|Z|}{|Z|^2} = \frac{|Z|}{|Z$$