3 agome 7

$$A^{xx}(\pm a,0) = A^{yy}(0,\pm a) = -8$$

Hourne merip

penimu

$$A^{xy}(\pm a,0) = A^{xy}(0,\pm a) = 0$$

$$A^{\alpha\beta}(a,a) = A^{\alpha\beta}(-a,-a) = -\delta_2$$

$$A^{xx}(a,-a) = A^{xx}(-a,a) = -\delta_2$$

$$A^{yy}(a,-a) = A^{yy}(-a,a) = -82$$

$$A^{xy}(a,-a) = A^{xy}(-a,a) = \delta_{\lambda}$$

$$A^{yx}(a,-a) = A^{yx}(-a,a) = \chi_z$$

Uz beanno, zmo Z AdB(R) = 5

$$A^{xx}(0,0) + A^{xx}(a,0) + A^{xx}(-a,0) + A^{xx}(-a,0) + A^{xx}(a,a) + A^{xx}(-a,a) + A^{xx}(-a,a) + A^{xx}(-a,a) + A^{xx}(-a,a) = 0$$

$$A^{xx}(-a,-a) = 0$$

$$A^{xx}(0,0) = 28x + 48z$$

$$A^{xx}(0,0) = 28x + 48z$$

$$A^{xy}(0,0) = 28$$

+ 
$$A^{xx}(-a,0)$$
 e  $if_{1}a$  +  $A^{xx}(a,a)$ .

•  $e^{if_{1}a-if_{2}a}$  +  $A^{xx}(-a,a)$  e  $if_{1}a-if_{2}a$ 

+  $A^{xx}(a,-a)$  e  $if_{1}a+if_{2}a$  +

+  $A^{xx}(-a,-a)$  e  $if_{1}a+if_{2}a$  =

=  $\frac{1}{m}(2x_{1}+4x_{2}-2x_{1})$  cos( $f_{1}a$ ) -

-  $2x_{2}$  cos (( $f_{1}-f_{2}$ )a) -  $2x_{2}$  cos (( $f_{1}+f_{2}$ )a))

=  $\frac{1}{m}(4x_{1}$  sm2  $\frac{f_{1}a}{2}$  +  $4x_{2}$  sm2  $\frac{(f_{1}-f_{2})a}{2}$  +

+  $4x_{2}$  sm2  $\frac{(f_{1}+f_{2})a}{2}$  )

Anomorphism,

 $C^{yy} = \frac{1}{m}(4x_{1}$  sm2  $\frac{f_{2}a}{2}$  +  $4x_{1}$  sm2  $\frac{(f_{1}-f_{2})a}{2}$  +

+  $4x_{2}$  sm2  $\frac{(f_{1}+f_{2})a}{2}$  )

 $C^{xy} = \frac{1}{m}(4x_{1}$  ( $f_{1}+f_{2}$ )a =

+  $f_{2}$  +  $f_{3}$  +  $f_{4}$  +  $f_{4$ 

+ 
$$A^{ny}(a,-a)e^{-it_1a+it_2a}$$
 +
+  $A^{ny}(-a,-a)e^{it_1a+it_1a}$  =

$$= \frac{8_2}{m}\left(2\cos\left(\frac{t_1+t_2}{a}\right)a-2\cos\left(\frac{t_1-t_2}{a}\right)a\right) =$$

$$= \frac{4Y_2}{m}\left(\sin^2\frac{(t_1-t_2)a}{2}-\sin^2\frac{(t_1+t_2)a}{2}\right)$$

Thomase of poyer, use nowwer asymptoty

C. Hatingian eë cosemberme uses.

$$|C_{nx}-\omega^2|C_{ny}|=0$$

$$|C_{yx}|C_{yy}-\omega^2|$$

$$|C_{yx}|C_{yy}-\omega^2|$$

$$= \frac{C_{nx}+C_{yy}}{2}\pm\sqrt{\left(\frac{C_{nx}+C_{yy}}{2}\right)^2}-$$

$$= -\left(\frac{C_{nx}C_{yy}}{2}-C_{ny}C_{yx}\right),$$
 $c_{nx}=\frac{1}{m}\left(\frac{Y_{01}}{2}\sin^2\frac{t_1a}{2}+\frac{Y_{02}}{2}\sin^2\frac{t_1a}{2}+\frac{Y_{02}}{2}\sin^2\frac{t_1a}{2}\right)$ 
+  $4Y_{02}^2\sin^2\frac{t_1a+t_2a}{2}$ 

$$C_{yy} = \frac{1}{m} \left( U8_{1} \text{ sm}^{2} \frac{1}{2} + Y8_{2} \text{ sm}^{2} \frac{(1-1)a}{2} \right)$$

$$+ Y8_{2} \text{ sm}^{2} \frac{(1+1)a}{2} \right)$$

$$C_{xy} = C_{yx} = \frac{Y8_{2}}{m} \left( \text{ sm}^{2} \frac{(1-1)a}{2} \right)$$

$$- \text{ sm}^{2} \frac{(1+1)a}{2} \right)$$

$$|\text{buigen augmurance squaremente.}$$

$$f_{1}a, f_{2}a < 1$$

$$C_{xx} \approx \frac{1}{m} \left( Y_{1}(1+a)^{2} + Y_{2}(1-1)^{2} a^{2} + Y_{3}(1+1)^{2} a^{2} + Y_{3}(1+1)^{2} a^{2} \right)$$

$$+ Y_{2}(1+1+1)^{2} a^{2} = \frac{1}{m} \left( Y_{1}(1+a)^{2} + 2Y_{2}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{yy} = \frac{1}{m} \left( Y_{1}(1+a)^{2} + 2Y_{2}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$C_{xx} + C_{yy} = \frac{1}{m^{2}} \left( Y_{1}(1+a)^{2} + 2Y_{3}(1+a)^{2} \right)$$

$$= \frac{1}{m^{2}} \left( 8_{1}8_{2} + \frac{1}{4}^{2} + \frac{1}{4} a^{4} + 28_{1}8_{2} + \frac{1}{4}^{2} a^{4} + 28_{1}8_{2} + \frac{1}{4}^{2} a^{4} + 28_{1}8_{2} + \frac{1}{4}^{2} a^{2} + 48_{2}^{2} + \frac{1}{4}^{2} a^{4} + 28_{1}8_{2} + 48_{2}^{2} + \frac{1}{4}^{2} a^{4} + 28_{1}8_{2} + 48_{2}^{2} + 4$$

 $\omega^2 = \frac{C_{xx} + C_{yy}}{2} \left(1 + \sqrt{1 - 4 \frac{C_{xx}C_{yx}}{C_{xx} + C_{yy}}^2}\right)^2$  $8_1 + 48_2(fa)^2 (1 + \sqrt{81^2 - 4(8181 - 1681)} \cos^2 d \sin d$   $2m (fa)^2 (1 + \sqrt{81^2 - 4(8181 - 1681)} \cos^2 d \sin d$ Busun, mo cropsom zbyra zolham om kompolbrems bennoper f Cumer, zmo  $y_2 = \frac{x_1}{z\sqrt{z}}$   $w by gen uneprime <math>b \sqrt{x_1/m}$ , Anpour poupur boar argyronnen upstremopur: Unauzyen python, nomenn : numpy, matplotlib. tplotlib. Tpapum 6 pounie graph 7. proj