X= Cicos = x + cisin = x

$$\begin{cases} c_1=0 \\ c_2 \sin \frac{3\omega}{2}=0 \Rightarrow c_2 \neq 0 \Rightarrow \sin \frac{3\omega}{2}=0 \end{cases} \xrightarrow{\frac{3\omega}{2}=\ln n, \quad n=1,\infty}$$

$$\int_{-\infty}^{\infty} \frac{2\ln n}{3} \cdot n = 1,\infty$$

$$\lambda_{h} = \left(\frac{28h}{3}\right)^{2} - C.3.$$
 $h = \sqrt{1.00}$

$$X = \frac{3}{3} \sin \frac{\pi}{3} x - C.P. \quad h = 1.\infty$$

$$\|X_{i}\|^{2} = \int_{0}^{3} \sin^{2} \frac{\pi h}{3} x \, dx = \frac{1}{2} \left[\int_{0}^{3} dx - \int_{0}^{3} \cos \frac{2\pi h}{3} x \, dx \right] = \frac{3}{2\pi} \left[-\frac{3}{2\pi h} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi h} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi h} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi h} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} x \right]^{3} = \frac{3}{2\pi} \left[-\frac{3}{2\pi} \sin \frac{2\pi h}{3} \right]^{3} = \frac{3}{2\pi$$

$$U_{h} = \chi_{h} \cdot \Gamma_{h} = s_{h} \cdot \frac{\kappa_{h}}{3} \times \left(A_{h} \cos \frac{2\kappa_{h}}{3} t + B_{h} \sin \frac{2\kappa_{h}t}{3} \right)$$

$$U = \sum_{h=0}^{\infty} s_{h} \cdot \frac{\kappa_{h}}{3} \times \left(A_{h} \cos \frac{2\kappa_{h}t}{3} t + B_{h} \sin \frac{2\kappa_{h}t}{3} \right)$$

esp.2.

Бушуев P12-31 54res Denuc J=2. 11(4, 4) = cos34+4 sln34 + sin34 0= 4= 25 05164 DU=0 Tyes U= P(4). R(v) ≠0 1 dr (r du) + 1/2 dry = 0 P du (1 dR) + R dP = 0 \$ Pd/(dR)+Rd/dp =0 /. R9 Rdu (ndR)+ P= -> $\begin{cases} C_1 = 2xC_1 + C_1 \\ C_1 = C_1 \end{cases} \Rightarrow \begin{cases} C_1 = 0 \\ C_2 \neq 0 \end{cases}$ P= C, 9+C2 D γ=0 Φ"=0 P'=C, P=C - C.P. λ=0 - C.3. € Φ= Ge 24+Cze -24 ΕΦ'= C, We 24- Czwe [G+Cr = G & + Cr & - 200]: W $\begin{pmatrix} 1-6 & 1-6 & -520 \\ 1-6 & 1-6 & -520 \end{pmatrix} \begin{pmatrix} C^{2} \\ C^{2} \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ csp. 3

Бушуев Венис Eunes 2 P12-31 3 x= 2 >0 P"+ w'P=0 P= Gcos Dy + asindy PI= -CIW SINDY + CZ WCOSWY C1 = C1 cos 22) + c2 s/m 25) [crw= -c, w six 22 w + crw cos 22 w 1-cos 250) =0 1-cos 250) =0 (1-025227) + 21/2 227=0 1-2005 252 + cos 252 7 + 512 25-0 1-2 cos 25 2) +1=0 cos 227 = 1 25 2 = 25h h=1,00 W=h; 12h2-C.3. (C=C1 P= coship h=1, = 119/112= 1 φ = c , λ = 0 ; | Poll = 25 Trdr (rdr) = A | R rdr (rdR) - n2R=0 r2 R"+ nR'- n2 R=0 - ypabuenue Finepa. Tyesb $r = e^t$ $R(r) \rightarrow y(t)$ et de (et dR)-hiR=0 $\frac{d}{dt}\left(\frac{dR}{dt}\right) - h^2R^{=0}$ y"- n'y =0 2) 4=0 i) h ≠ 0 y= gent + crent An= h2, n=0,∞

Equaps Source PAZ=34 Divase 2

$$\begin{cases} R(r) = C_1 \\ R(r) = C_$$

$$I_{g} = \frac{1}{N} \int_{0}^{N} \sin n y \sin y \, dy = \frac{1}{2N} \int_{0}^{N} \frac{\sin (n + 1)y}{n + 1} - \frac{\sin (n + 1)y}{n + 1} \int_{0}^{N} = \frac{3}{2N} \cdot \frac{2}{N} \cdot \frac{\sin (n + 1)x}{(n + 1)^{2N}} = 3 \int_{0}^{N} \frac{1}{N} \cdot \frac{1$$

Бушуев Denuc PAZ-31 Gunes y= 2x- x53; +c c = y - 2x + x \(\frac{3}{i} \) gx = -2 yx = 13 Re E= y-2x= 8 y= g- 27/3 X= 13 7420 Im c = x 53 = 4 $u_{x} = \frac{\partial u}{\partial x} = \frac{\partial g}{\partial x} \frac{\partial u}{\partial g} + \frac{\partial h}{\partial x} \frac{\partial u}{\partial h} = -2u_{g} + \sqrt{3}u_{h}$ Uy = 34 = U8 +0 = U8 Uxx= -2(-2Ugg+J3Ugy)+J3(-2Ugy+J3Ugy)=4Ugg-2J3Ugy-2J3Ugy+3Ugy=4Ugg-4J3Ugy+3Ugy Nyy 2 U88 Uxy = 3(U8) = -2 U88 +53 U84 4Ugg -453 Ugy +3 Ugy +4453 Ugy +453 Ugy +453 Ugy +453 Ugy +453 Ugy +488 -8 Ugg +453 Ugy +488 +2 Ug +63 Uy + Ug - £458 -3 Ugg + 3 Upp - Ug + 53 Up - 3 · (8 - 29) = 0 1:3 U88 - Uny + U8 + 53 Un + g (8 - 24) = 0 Kanonirecturi Bug: Uzg+Ugg=0 csp. 7.