Bzammed Koppendunorenael OP-I

Teopue

1° luemeura engreadross as-3

 $(X_1, ..., X_n)$ $\exists h = a m.e.(X,Y)$

« Коргешеционняй акализ ещетешь сл. ф-й

 $\overline{\alpha}(t) = M[X(t)]; \overline{y}(t) = M[Y(t)]$

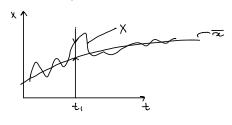
Abmoroppendunounce op- un

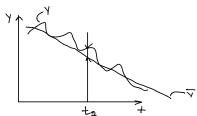
$$K_{x}(t_{1},t_{2}) = M[\dot{x}(t_{1})\dot{x}(t_{2})]$$

 $(t, t_2) = M(\mathring{Y}(t_1)\mathring{Y}(t_2))$

Взашиная коррешининая ор-я

Kay (t, t2) = M[x(t1) y(t2)]





3° Donoe noegenabreme

Ray (t1, t2) = M[X(t1)Y(t2)] - = (t) (ta)

- 4° Вырамсение через совинетный закон распр « $\chi(t) \ Y(t)$ $\Re \chi(t_1, t_2) = \iint (\pi - \bar{\pi}(t_1)) (y - \bar{y}(t_2)) f_{1,1}(\pi, y; t_1, t_2) dx dy$
- For korrewey wowers wowers wengy X(t),Y(t) $R_{ay}(t) = N[\dot{X}(t)\dot{Y}(t)] = R_{ay}(t,t)$
- 6° Ограниченность

| Ray (tista) | = Ox (ti) Oy(tr)

7° Hopumpobarran brownian kapp. Φ -d

New $(t_1, t_2) = \frac{R_{xy}(t_1, t_2)}{\Gamma_x(t_1)\Gamma_y(t_2)}$ 2° New $\Gamma_y(t_1, t_2) = \frac{R_{xy}(t_1, t_2)}{\Gamma_x(t_1)\Gamma_y(t_2)}$

| r_{ay}| ≤ s r_{ay}- σεзразн. вел-на 8° Arros bug orpanement

$$|R_{xy}(t_1,t_2)| \leq \frac{1}{2} \left(\sqrt{2}(t_1) + \sqrt{2}(t_2) \right)$$

в Сишистрия относительно зашень аргушентов

10° Сидиой стационарных ч стационарно свизанных Ф-8.

mpe
$$\delta y = u : [f, (\alpha; t) = const(t)]$$

 $f, (y; t) = const(t)]$
 $f_2(\alpha, \alpha; t, t_2) = f_2(\alpha, \alpha_a, t_a - t_i)$
 $f_3(y, y_2; t, t_a) = f_2(y, y_2, t_a - t_i)$

стационаннай связь ознашает

nousepor.

Nowwer Ns

$$Z(t) = a(t) \lambda(t) + b(t) \lambda(t)$$

a(t), b(t) - zagarrone gemeruur. a-uu.

Man. oncug.

$$z(t) = M[a(t) X(t)] + M[b(t)Y(t)] = a(t) \overline{z(t)} + b(t) \overline{y(t)}$$

Koppenlynownow coopingra

$$2(t) = z(t) - \overline{z}(t) = a(t) x(t) + b(t) y(t) - a(t) \overline{z}(t) - b(t) \overline{z}(t) =$$

$$= a(t) \underbrace{\left[\begin{array}{c} \chi(t) - \pi(t) \end{array}\right]}_{\mathring{\chi}(t)} + b(t) \underbrace{\left[\begin{array}{c} \chi(t) - \pi(t) \end{array}\right]}_{\mathring{\gamma}(t)} = a(t) \mathring{\chi}(t) + b(t) \mathring{\chi}(t)$$

$$K_{2}(t_{1},t_{2}) = M\left[\underbrace{(a(t)^{2}(t_{1})+b(t_{1})^{2}(t_{1}))(a(t)^{2}(t_{1})+b(t_{1})^{2}(t_{2})}_{\frac{2}{2}(t_{2})}\right] = \frac{1}{2}(t_{2})$$

Mennier N2

X(t), Y(t) - consumerable, hapmandhe, hermandobarne.

Razz (x)-?

THE NUMERO 30 BURGERIEROCTIONS

Bonpoc: evenu shemb $X_1(t) = X^2(t)$ $Y_1(t) = Y^2(t)$ $\frac{7}{1-7}$ readjoint u Rzy, (x)

$$\mathbb{R}_{\infty,\,y,\,}(\tau) = \mathbb{R}_{\infty^2\,y^2}(\tau) = \mathbb{M}\left[\left(\chi^2(t) - \mathbb{G}_{\infty}^2\right)\left(\,\chi^2(t+\tau) - \,\mathbb{G}_{y}^2\,\,\right)\right]$$

$$M[x^{2}(t)] = K_{x}(t,t) = \widehat{O}_{x}^{2}$$
 anauoruuno $M[y^{2}(t)] = K_{y}(t,t) = \widehat{O}_{y}^{2}$

Bocnonsseever apyruus BOP-M

$$\beta^{x_{3}x_{3}}(x) = M\left[\begin{array}{c} \chi_{5}(f) & \lambda_{5}(f+\lambda^{2}) \end{array} \right] - \mathcal{L}_{5}^{x} \mathcal{L}_{5}^{x_{3}}$$

$$m_{22}(r) = M[X^2(t)Y^2(t+r)]$$

Berazue wowler repes 200-10 op-10:

$$m_{z,a} = \frac{1}{i^4} \frac{\int_{z_1}^{4} E(z_1, z_2)}{\partial z_1^2 \partial z_2^2}$$

$$2!^{k} = \frac{05! 25^{k}}{052}$$

$$3! (5'' 5'') = \frac{05!}{07}$$

$$! = !''$$

$$S|_{Z_1 = Z_2 = 0} = 0 \qquad E|_{Z_1 = Z_2 = 0} = \Delta$$

$$\frac{\partial E}{\partial Z_1} = E(-S_1)$$

$$\frac{\partial^2 E}{\partial Z_2} = ES_1^2 - ES_{11}$$

$$\frac{\partial^2 E}{\partial Z_2^2} = \frac{\Delta}{\Delta}$$