Coppeniquerrail op-1 kbagpama om норшанького чентривованного пранесеа

$$X(t)$$
 - nouseec hormanomoù (rayceobexeux) $\bar{\alpha}(t) \equiv 0$

Obusur cuyuar (necmayuonamore neovecc): Ka (t.; tz)

$$G_{\alpha}^{2}(t) = K_{\alpha}(t,t)$$

$$X(t) \in \mathcal{N}(0; \nabla_{\alpha}(t))$$

 $Y(t) \in X^{2}(t)$
 $\overline{y}(t) = M[X^{2}(t)] = K_{\alpha}(t,t) = \nabla_{\alpha}^{2}(t)$

$$= M \left(\chi^{2}(t_{1}) \chi^{2}(t_{2}) \right] - \mathcal{Q}_{n}^{2}(t_{1}) \mathcal{Q}_{n}^{2}(t_{2})$$

$$\begin{array}{ccc}
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Boenonbouleuleu wemagan rapakmepuemureenua op-3.

Museu cuemeny novu. Ben-H: X(t) X(tr) znaem = 32 Ka(t, tr)

=7 woneur sagamo «ap-10 op-10 que nopurantiono zaxona vermpubobarenozo: $-\frac{1}{2}\left[\sqrt{a^2(t_i)} + \sqrt{a^2(t_2)} + \sqrt{a^2(t_2)} + \sqrt{a^2(t_1)} + \sqrt{a^2(t_2)} + \sqrt{a^2(t_1)} + \sqrt{a^2(t_2)} + \sqrt{a^2(t_1)} + \sqrt{a^2(t_2)} + \sqrt{$

morga
$$m_{jk} = \frac{1}{i^{j+k}} \frac{O^{j+k} E}{O^{2_1} O^{2_k}} \Big|_{\vec{z} = \vec{0}}$$

$$\Rightarrow m_{22} = \frac{O^4 E}{O^{2_2} O^{a_k}} \Big|_{\vec{z} = \vec{0}}$$

Bbegün
$$S(z_1, z_2) = \frac{1}{2} \left[\sqrt{2} \left(t_1 \right) z_1^2 + \sqrt{2} \left(t_2 \right) z_2^2 + 4 \text{ Ka}(t_1, t_2) z_1 z_2 \right]$$

$$S(z_1, z_2) = 0$$

$$E(z_1, z_2) = e^{-S}$$

$$E(z_1, z_2) = e^{-S}$$

$$\begin{array}{ll} \int_{0}^{\infty} \left(\frac{\pi^{2}}{2}\right) = \frac{\Omega^{2}}{\Omega^{2}} \int_{0}^{\infty} \left(j = \frac{1}{2}, \frac{1}{2}\right) & S_{12} = \frac{\Omega^{2}}{\Omega^{2}} \frac{S}{\Omega^{2}} - const\\ S_{11} = \sqrt{3} \left(t_{1}\right) & S_{22} = \sqrt{3} \left(t_{2}\right) & S_{12} = k_{2}\left(t_{1}t_{2}\right) \end{array}$$

$$\frac{\partial E}{\partial z_{1}^{2}} = \frac{1}{E} \left(S_{1} \right)^{2} + \left(-S_{11} \right) E = E \left(S_{1}^{2} - S_{11} \right)$$

$$\frac{\partial^{3}E}{\partial z_{1}^{2}\partial z_{2}} = \left[\left[-S_{1}^{2}S_{2} + S_{11}S_{2} \right] + E\left[2S_{1}S_{12} \right] = E\left[2S_{1}S_{12} + S_{2}S_{11} - S_{1}^{2}S_{2} \right] \right]$$

$$\frac{O^{4}E}{O_{2_{1}}^{2}O_{2_{2}}^{2}} = \left[\left[2S_{1}S_{12} + S_{2}S_{11} - S_{1}^{2}S_{2} \right] \left(-S_{2} \right) + E \left[2S_{12}^{2} + S_{22}S_{11} - 2S_{1}S_{12} - S_{1}^{2}S_{22} \right] \right]$$

Корешеционная фи знака норшаньной Germenoparriog annagras &-nn

$$\operatorname{sign}(\alpha) = \begin{cases} 3, & \alpha > 0 \\ 0, & \alpha = 0 \\ -3, & \alpha < 0 \end{cases}$$

$$JX_i = X(t_i) \quad (i=s_2)$$

]
$$X_j = X(t_j)$$
 $(j=5,2)$
] $f(\alpha_1,\alpha_2)$ - cobservements 3 x pacnp- e gby a between α_1 , α_2
- nnomkooms bep-mu

$$\begin{array}{ll} \text{Obusine Buy: } f(z_1,...,z_{2}) = \frac{\Delta}{2 \pi \left(\frac{1}{\sqrt{12}} \right)} = \frac{1}{2 \left(\frac{1}{\sqrt{12}} \left(\frac{\alpha_1^2}{\sqrt{12}} + \frac{\alpha_2^2}{\sqrt{12}} + \frac{2 \ln(t_1,t_2) \alpha_1 \alpha_2}{\sqrt{12}} \right)} \\ \text{R}_{2}(t_1,t_2) = \frac{K_{2}(t_1,t_2)}{C_{2}(t_1) C_{2}(t_2)} - \text{hopm. EOPP. QP-J. } \lambda. \end{array}$$

Bancro:
$$\bar{y}(t) = 0 \forall t$$

$$= \iint \frac{sign(y) sign(y_a)}{att \sqrt{1 - k^2 n}} e^{-\frac{(y_a^2 + y_a^2 + 2k_a y_a y_a)}{a(a - k_a^2)}} dy_a dy_a - \frac{sourcealm yeumpanbhod cumulempued omk-no y_a y_a}{nonynp-60}$$

$$= y_a = x sin(y)$$

$$= x sin(y)$$

Repersion k nonephone koorgunamale
$$\begin{cases} y_1 = r \cos(\psi) & (y_1, y_n) \Rightarrow (r, \psi) \\ y_n = r \sin(\psi) \end{cases}$$

$$k_y(t_1, t_2) = \int_0^\infty \frac{\text{sign}(\cos \varphi) \, \text{sign}(\sin \varphi)}{\text{th} \sqrt{1 - k^2 \pi}} \, e^{-\frac{1}{2(1 - k^2 \pi)} \left[\frac{1}{4 + k \pi \sin(\varphi \psi)} \right] r^2} \, r dr d\psi =$$

$$= \int_0^\frac{\pi}{2} \frac{1}{\pi \sqrt{1 - k^2 \pi}} \frac{(1 - k^2 \pi)}{(1 + k \pi \sin(\varphi \psi))} \, d\psi - \int_0^\frac{\pi}{2} \frac{(1 - k \pi)^2}{\pi \sqrt{1 - k^2 \pi}} \frac{1}{(1 - k \pi \sin(\varphi \psi))} \, d\psi$$

Bauera Z = tg U ...