Bleglowe & copplisherwooding T. CM.  $p(t;x) \sim F(t;x) = P(\mathcal{X}(t) \leq x) = \int_{-\infty}^{\infty} p(t;s) ds$  $p(t;x) = F_{x}'(t;x)$ p( $t_1; t_2; x_1; x_2$ ) ~  $F(t_1; t_2; x_1; x_2) = P(X(t_1) \leq x_1; X(t_2) \leq x_2) = P(X(t_1) \leq x_2; X(t_2) \leq x_2;$ = \[ \int p(\partial\_1; \partial\_2; \partial\_1; \partial\_2; \partial\_1; \partial\_2; \parti  $p(t_1, t_2; x_1; x_2) = F_{x_1 x_2}^{(1)}(t_1, t_2; x_1; x_2)$  $\rho\left(t_{1};\,t_{2};\,t_{3};\,x_{1};\,x_{2};\,x_{3}\right) \sim F\left(t_{1};\,t_{2};\,t_{3};\,x_{1};\,x_{2};\,x_{3}\right) = P\left(\mathcal{X}\left(t_{1}\right) \in \mathcal{X}_{1};\,\mathcal{X}\left(t_{2}\right);\,x_{3}\right)$  $\mathcal{X}(t_s) = \mathcal{X}_s = \int \int \int \int \rho(t_1; t_2; t_3; S_1; S_2; S_3) dS_1 dS_2 dS_3,$  $p\left(t_{1},t_{2},t_{3},x_{1},x_{2},x_{3}\right)=F_{x_{1}x_{1}x_{3}}\left(t_{1},t_{2},t_{3},x_{1},x_{2},x_{3}\right)$ Teophie CT, ochobournal rest uendlez. cumisorumentoum xog-ux D, DD raz- Ropp. meanute CT

M.O. CMu ero cb-ba: Eau 6 romgrà usu. Belultu C17 ou rover. U.O, mo M.V camon CM may recuyr op my (t) znarenulum kom. E kanegwit monerm & Ibi. M.D. coom. cerebul Ovozn:  $M_{\gamma}(t) = M(\mathcal{X}(t))$  $\chi(t)$ 1) Ecun Y(t)-Hecuyr. op.  $M(\varphi(t)) = \varphi(t)$  $M(\mathcal{Y}(t) \cdot \mathcal{X}(t)) = \mathcal{Y}(t) \cdot m_{\mathcal{X}}(t)$  $M(J(t) + \chi(t)) = J(t) + m_{\chi}(t)$ 

2) 
$$M(Y(t) + X(t)) = m_y(t) + m_\chi(t)$$

D. C.M. cmarg. omni. Cb-ba

ECM & ROMAGNET MAM. BALMEHM CM OOM. ROMEN. D., MD D CAMOND CM HOY. RECHYS OP. D<sub>X</sub> (t) ZHAREHMEMM ROM. & ROMAGNET ELOMENM BALMERM Abn. D. COOMB. CEREHMIN.

$$D_{\chi}(t) = D(\chi(t)) = M(\chi(t) - m_{\chi}(t))^{2}$$

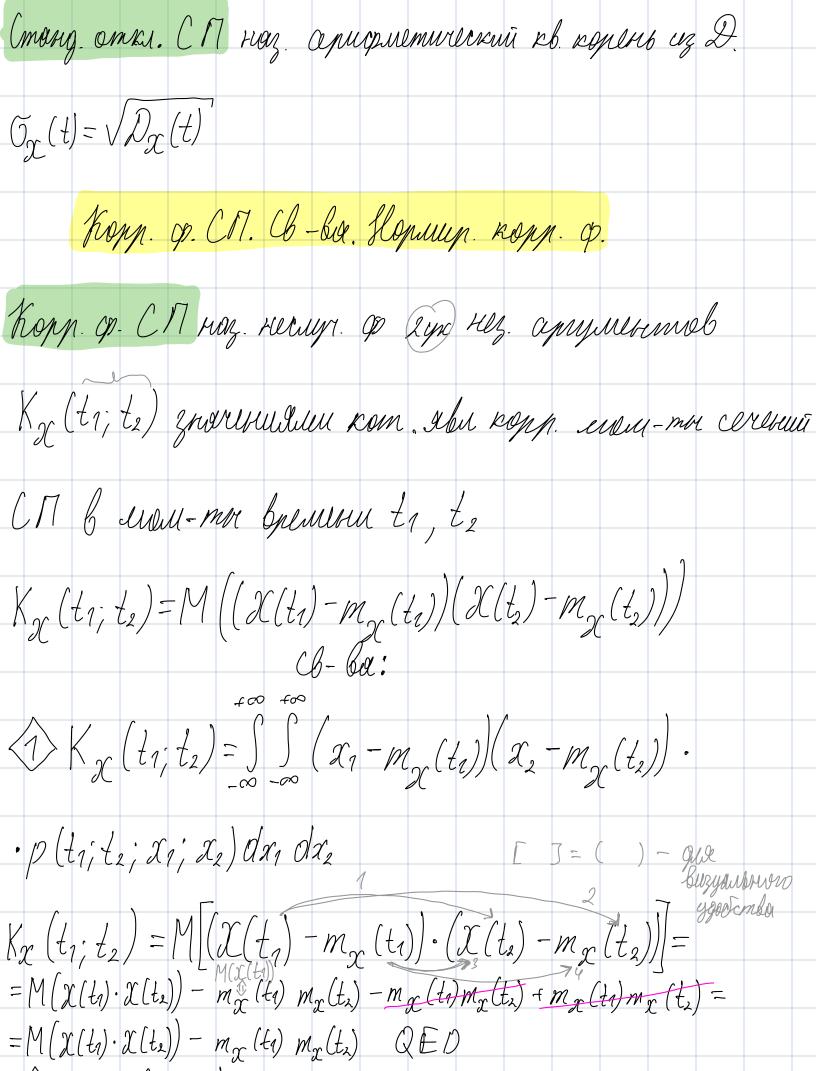
Cb-64;

$$\widehat{D}\left(\mathcal{J}(t)\right)=0$$

$$\mathcal{D}\left(\mathcal{J}(t)\cdot\mathcal{X}(t)\right)=\mathcal{J}^{2}(t)\cdot\mathcal{D}_{\mathcal{X}}(t)$$

$$\mathcal{D}(\mathcal{J}(t) + \mathcal{X}(t)) = \mathcal{D}_{\mathcal{X}}(t)$$

2) 
$$\mathcal{D}_{\mathcal{X}}(t) = M(\mathcal{X}^2(t)) - (m_{\mathcal{X}}(t))^2$$



$$\langle 2 \rangle K_{\chi}(t;t) = D_{\chi}(t)$$

$$\langle 3 \rangle K_{\chi}(t_1;t_2) = K_{\chi}(t_2;t_1)$$

$$K_{\ell(t)}(t_1;t_2)=0$$

$$K_{\psi(t)} \cdot \chi_{(t)}(t_1; t_2) = \psi(t_1) \cdot \psi(t_2) \cdot K_{\chi}(t_1; t_2)$$

$$K_{\psi(t)+\chi(t)}(t_1;t_2)=K_{\chi}(t_1;t_2)$$

$$\langle 5 \rangle |K_{\chi}(t_1;t_2)| \leq \mathcal{O}_{\chi}(t_2) \cdot \mathcal{O}_{\chi}(t_2)$$

$$R_{y(t)+x(t); \psi(t)+y(t)} (t_1; t_2) = R_{xy} (t_1; t_2)$$

$$Q = Q(t); \psi(t) - \text{recuyr} \cdot q_t$$

$$R_{y(t)} x(t) + \psi(t) \cdot y(t) (t_1; t_2) = Q(t_1) \psi(t_2) \cdot R_{xy} (t_1; t_2)$$

$$R_{y(t)} x(t) \psi(t) \cdot y(t) (t_1; t_2) = R_{xy} (t_1; t_2)$$

$$Q = Q(t_1; t_2) = R_{yx} (t_2; t_1)$$

$$Q = Q(t_1; t_2) = R_{yx} (t_2; t_1)$$

3) 
$$|R_{\chi y}(t_1;t_2)| \leq 5\chi(t_1) - 5\chi(t_1)$$

$$7\chi y(t_1;t_2) = \frac{R\chi y(t_1;t_2)}{5\chi(t_1) \cdot 5\chi(t_2)}$$

Bejannia compute sep-en commer 2 yr CM M.D. cynum 2 yr CT X(t)  $g(t) = cynum cyx M. Dua M.D. cy <math>(t) = m_x(t) + m_y(t)$ Ropp. op cynlwr 2 yx CM aneem celg. bug:  $\left(\chi_{+}y\left(t_{1},t_{2}\right)=M\left[\left(\chi\left(t_{1}\right)+y\left(t_{1}\right)-m_{\chi+}y\left(t_{1}\right)\right)\left(\chi\left(t_{2}\right)+y\left(t_{2}\right)-m_{\chi+}y\left(t_{2}\right)\right)\right]=$  $= M(\chi(t_1)\chi(t_2)) + M(\chi(t_1)y(t_2)) - M(\chi(t_1))(m_{\chi}(t_2) + m_{y}(t_2)) +$ +M(y(t1) X(t2))+M(y(t1) y(t2))-M(y(t1))(mx(t2)+my(t2))- $-\left[M\left(\chi(t_{s})\left(m_{\chi}(t_{1})+m_{y}(t_{1})\right)\right]-M\left(y(t_{s})\left(m_{\chi}(t_{1})+m_{y}(t_{1})\right)\right]^{q}+$  $+(m_{\chi}(t_1)+m_{\chi}(t_1))(m_{\chi}(t_2)+m_{\chi}(t_2)))^{s}=$ = M(X(t)X(t))+M(X(t)y(t))+M(y(t)X(t))+M(y(t)y(t))--mg(t1) mg(t2) -mg(t2) mg(t1) - mg(t1) mg(t2) - mg(t2) mg(t2) = Kx (ti, t2) + Rxy (ti, t2) + Ky (ti, t2) + Rxy (t2, t1)  $R_{xy}(t_1;t_2) = M[(x(t_1) - m_x(t_1))(y(t_2) - m_y(t_2))] = M(x(t_1)y(t_2)) - m_x(t_1)y(t_2)$ - Mg (t1) mg(t2) - mg (t4) my (t2) + mg (t1) mg(t2)

Cily. Elm Mar I(t); Y(t) re ropp-rom, morga:  $K_{\chi+y}(t_1;t_2) = K_{\chi}(t_1;t_2) + K_{y}(t_1;t_2)$  $\mathcal{D}_{x+y}(t) = \mathcal{D}_{x}(t) + \mathcal{D}_{y}(t)$