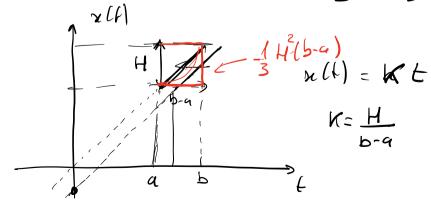


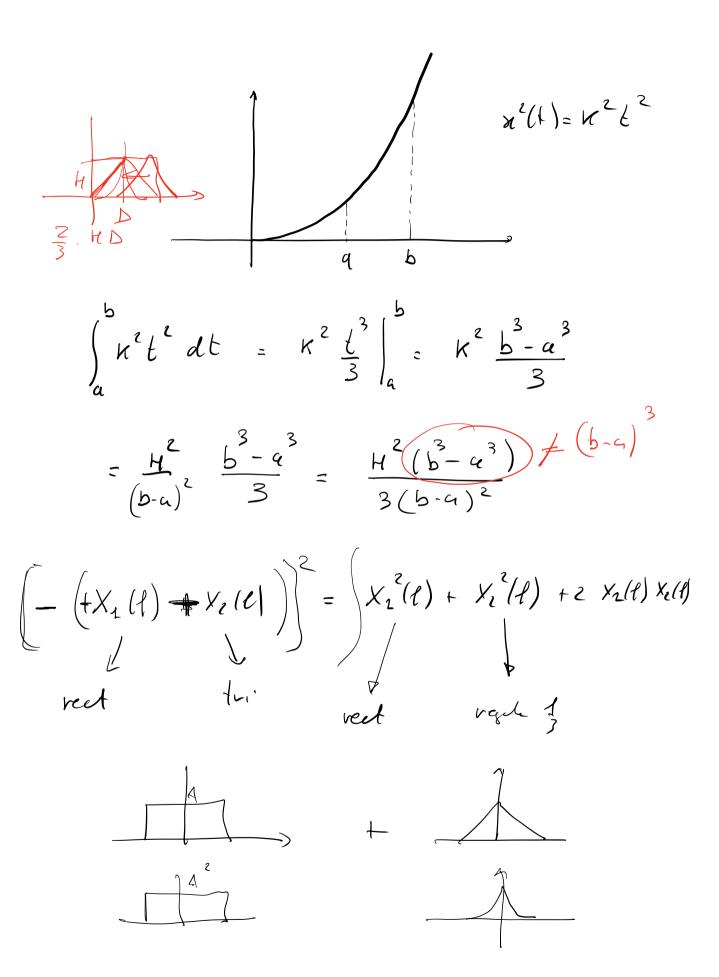
$$x(t) = \frac{b}{a}t$$

$$x(t) = \int_{a}^{a} t^{2} dt = \int_{a^{2}}^{2} \frac{t^{3}}{3} \Big|_{a}^{a} = \int_{a^{2}}^{2} \left(\frac{a^{3}}{3} - o\right)$$

$$= \int_{a}^{2} \frac{b}{a^{2}} \left(\frac{a^{3}}{3} - o\right)$$

$$= \frac{b^{2}a}{3} = \frac{1}{3}ab^{2}$$





$$X(l) = af + b$$

$$= \frac{H}{B}f + X_{o}$$

$$\int_{a}^{b} X(l) dl = \int_{a}^{b} \left(\frac{H}{B}f + X_{o}\right)^{2} df$$

$$A = \frac{3}{2}AB$$

$$-\frac{3}{2}AB$$

$$A - \frac{9}{2}AB$$

$$X(\ell) = \alpha \ell + b$$

$$a = \frac{A - \frac{9}{2}AB + \frac{3}{2}AB}{B} = \frac{A - \frac{3}{2}AB}{B}$$

$$a \cdot 2B + b = -\frac{3}{2}AB$$

$$b = -\frac{3}{2}AB - 2Ba = -\frac{3}{2}AB - 2(A - \frac{3}{2}AB)$$

$$b = \left(-\frac{3}{2} + \frac{6}{2}\right)AB - 2A = \frac{9}{2}AB - 2A$$

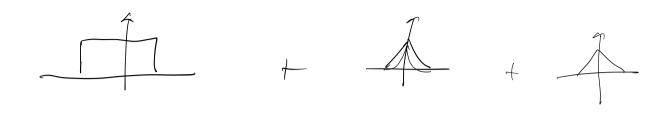
$$X(1) = \frac{A - \frac{3}{2}AB}{B} + \frac{9}{2}AB - 2A$$

$$\begin{cases} 3B \\ a^{2}f + b^{2} + 2ab \end{cases} df = \begin{cases} 3B \\ 2B \end{cases}$$

$$= a^{2} \int_{2B}^{3B} \frac{3}{2} + b^{2}B + 2ab \int_{2B}^{3} df$$

$$= a^{2} \left(\frac{27B^{3} - 8B^{3}}{3} + b^{2}B + 5ab B^{2} \right)$$

$$= \frac{a^{2}}{2} \int_{2B}^{3} df + b^{2}B + 5ab B^{2}$$



X(1) e' un processo SSL

$$R_{\chi}(\tau) = E\left[\chi(t)\chi(t-\tau)\right]$$
 $R_{\gamma}(\tau) = E\left[\chi(t)\chi(t-\tau)\right]$
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 $R_{\gamma}(\tau) = E\left[\chi(x)\chi(x)\chi(t-\tau)\right]$
 $R_{\gamma}(\tau) = E\left[\chi(x)\chi(x)\chi(t-\tau)\right]$

$$\int_{-\infty}^{\infty} X(\beta) h\left(\underline{\xi-7}, -\beta\right) d\beta$$

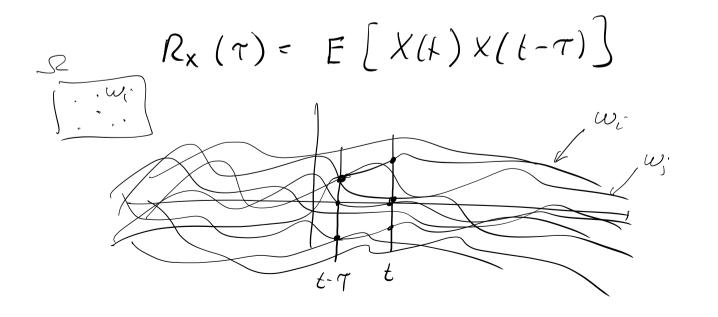
$$\begin{cases}
E[X(\alpha) \times (\beta)] h(t-\alpha) h(t-7-\beta) d\alpha d\beta \\
R_{\chi}(\alpha-\beta) \\
SSL
\end{cases}$$

$$= R_{\chi}(\alpha-\beta) \otimes h(\alpha-\beta) \otimes h(\beta-\alpha) \\
7 \qquad 7 \qquad -7$$

$$= R_{\chi}(\gamma) \otimes h(\gamma) \otimes h(-7)$$

$$R_{X}(h_{1},h_{2}) \stackrel{\Delta}{=} E[X(h_{1})X(h_{1})] = R_{X}(h_{1}-h_{2})$$

AUTO CONNELLE COUR DI UN Processo SSC



$$f_{Y}(y) = \sum_{i=1}^{N} \frac{f_{X}(X_{i})}{|g'(X_{i})|} = \frac{1}{\sqrt{2\pi\sigma^{2}}} e^{-\frac{Y^{2}}{2\alpha^{2}\sigma^{2}}}$$

$$= \frac{1}{\sqrt{2\pi\sigma^{2}}} e^{-\frac$$

$$y = g(x)$$

$$\chi(x) = \frac{1}{\sqrt{2\pi}\delta_n^2} e^{-\frac{x^2}{2\delta_n^2}}$$

$$Q(x) = \begin{cases} \frac{b}{a} x & x \leq a \\ b & x > a \end{cases}$$

$$X_{i} = \begin{cases} g^{-1}(y) \ni x = \frac{a}{b} y & y \leq b \end{cases}$$

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$$\begin{cases} f_{y}(y) \in A = \begin{cases} g^{-1}(y) \\ g^{-1}(y) \end{cases}$$

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$$f_{y}(y)$$

$$\begin{cases} f_{y}(y) = \frac{1}{\sqrt{2i}\delta_{y}^{2}} e^{-\frac{y^{2}}{2\delta_{y}^{2}}} \\ Q\left(\frac{a}{\delta_{x}}\right) S(y-b) \\ Q\left(\frac{a}{\delta_{x}}\right) S(y-b) \end{cases} \qquad y = b$$