回面w(n)为Guass 可噪声可得 $P(\vec{x}; \theta) = \frac{1}{(2\pi 8^2)^{\frac{1}{2}}} \exp\{-\frac{1}{2} \frac{2}{\pi 1} (x(k) - s(k, \theta))^{\frac{1}{2}} \}$ var(ûx)= E{(六岩,x(n)-E(六岩,x(n)))] hp(対6)=-型加2元82- 士芸[x(k)-s(k,日) を2 $\frac{3\ln p(\vec{x};\theta)}{36^{3}} = -\frac{1}{8^{3}} = \frac{3^{2}S(k,\theta)}{36^{3}}$ = 水 (x(n)-Ex(u)) + 5 (n)-Ex(u)) (x(n)) Ex(u) (x(n)) Ex(u)) (x(n)) (x(n)) Ex(u)) (x(n)) (x(n)) Ex(u)) (x(n)) (x(n)) Ex(u)) (x(n)) (x(n) E[32/10(8;8) = $\sqrt{N} N C_{x}(0) + (N-1)(C_{x}(1)+C_{x}(-1)) +$ alup(\$;6) = { 1 (x(1)) - \$(n,6) \ 3 (n,6) \ 3 (n,6) (N-2) (Cx(2)+(x(-2))+ ~~~ + Cx(N-1)+ Cx(-(N-1)) $\frac{2 \ln p(x_1, 6)}{36^2} = \frac{1}{6^2} \left(x(n) \frac{3^2 \times (n, 6)}{36^2} - (\frac{3 \times (n, 6)}{36^2})^2 - 5 (n, 6) \frac{3 \times (n, 6)}{36^2} \right)$ = \(\frac{\text{H}}{\text{Cx(l)}} \) $= \left[\frac{3^2 \ln p(\hat{x}; \theta)}{360^2}\right] = \left(\frac{1}{5^2} + \frac{1}{5} + \frac{1}$ - 小型(1-别)(x(l) (G(N), 存在, 程, 1-12 (1-14) = 0) = -1 \(\frac{25(n.6)}{26}\)^2 $p(6|3) = p(6,3)/p(3) = \frac{p(316)p(6)}{p(3)}$ 3, x(n)=Acos(2xfon+4) + w(n) p(x; fo)= = = = = = = = = = = = (x(n)-Acos(2xfon+4)) = P(\$16)P(6)d6 hy(x;f,)= = h(2x8)- = = (x(n)-Acos(2xf,n+4))/2 P(6)= - 116=0=01 2 hy>(π) (π) (π) -/ N= (π(n)-Acos(2πfn+4)). Asin(2πfn+4). 2nn P(π)6)= (2πδω) μ exp{- 262 1 (π(n)-6)} m(p(\$10)p(6))=-ln(62-01)-1/2 ln(2000)+ 3 hy (7; fo) _ - ma 动物游戏的机. 283点(水(1))一句2 , 日、5日之 $var(\hat{f}_0) \ge \frac{\delta^2}{A^2 \sum_{n=0}^{\infty} \left(\frac{\partial (A\cos(2\pi f_0 n + \varphi))}{\partial f_0}\right)^2} = \frac{\delta^2}{A^2 \sum_{n=0}^{\infty} \left(2\pi n \sin(2\pi f_0 n + \varphi)\right)^2} = \frac{\partial \ln (x|6)p(6)}{\partial f_0} = \frac{\partial \ln (x|6)p(6)}$ $\Rightarrow \hat{\theta}_{ME} = \begin{cases} \hat{\theta}_{1}, & \overline{3} < \theta \\ \overline{3}, & \theta_{1} < \overline{3} < \theta_{2} \end{cases}$ $\Rightarrow \hat{\theta}_{ME} = \begin{cases} \hat{\theta}_{1}, & \overline{3} < \theta \\ \overline{3}, & \overline{3} < \theta_{2} \end{cases}$ $(\mathcal{J}_{p(\vec{x};2)}) = \frac{1}{2^{2N}} \frac{1}{10} s(n) e^{-\frac{2}{2N}} = \text{for all } s(n) \geq 0$. otherwise. hp(Tid)=-2Nlux+ = hx(w)- ==== x(n) シージャージャーンラーコーン Quie = サーゴ 点が(n) 「大きない) = 0コン Quie = サーゴ 点が(n) 「大きない) = 0コン Quie = サーゴ 点が(n)