切为为和外处理

7[n] = w[n]. w[n] ~ U(o, B). [6)+B

$$f(x) = \frac{1}{b-a} \left[u(x-a) - u(x-b) \right]$$

$$\frac{1}{2} \chi = \begin{bmatrix} \chi(0) \\ \chi(1) \\ \chi(1) \end{bmatrix} \qquad \frac{1}{2} \left[\chi(\chi) \frac{\beta}{2} \right] = \left(\frac{1}{\beta} \right)^{n} \left[\chi(\chi) \chi(\chi) - \chi(\chi) - \chi(\chi) \right]$$

$$\frac{1}{2} \chi(\chi) = \left(\frac{1}{\beta} \right)^{n} \left[\chi(\chi) - \chi(\chi) - \chi(\chi) \right]$$

$$P(x; \frac{\beta}{2}) = (\frac{1}{\beta})^{n} \left[u\left(\min x[n]\right) - u\left(\max x[n] - \beta\right) \right] \frac{32.3 \text{ }}{33.3}$$

$$P(x; \frac{\beta}{2}) = (\frac{1}{\beta})^{n} u\left[\beta - \max x[n] \right] u\left[\min x[n] \right]$$

$$= \max \left(x[n]\right). \quad \text{Solitably } \frac{1}{33.3}$$

9 XITHS COF

$$F_{T}(\Sigma) = P_{r}(T \leq \Sigma)$$

$$= P_{r}(\max_{X[n]} \leq \Sigma)$$

$$= P_{r}(\chi(0), \chi(1), \chi(2) - \chi(N-1) \leq \Sigma)$$

$$= P_{r}(\chi(0) \leq \Sigma)$$

$$= (\frac{\Sigma}{B})^{N}$$

$$= (\frac{\Sigma}{B})^{N}$$

$$J \Rightarrow Pdf \Rightarrow Ddd$$

$$f_{T}(\xi) = \frac{dF_{T}(\xi)}{d\xi} = N \frac{\xi^{N+1}}{\beta^{N}} \cdot P = \xi \xi \xi \xi$$

$$E[T] = \int_{0}^{\beta} N \frac{\xi^{N+1}}{\beta^{N}} \xi d\xi = \frac{N}{N+1} \beta$$

$$\mathcal{F}(T) = \int_{0}^{\beta} N \frac{\xi^{N+1}}{\beta^{N}} \xi d\xi = \frac{N}{N+1} \beta$$

$$\mathcal{F}(T) = \frac{N+1}{2N} T = \frac{N+1}{2N} \max_{x \in X(n)} \left(\chi(n) \right)$$

$$\delta) \Rightarrow g(T) \Rightarrow \delta \frac{1}{2} \xi$$

$$g(T) = \left(\frac{N+1}{2N} \right)^{2} var(T) = \left(\frac{N+1}{2N} \right)^{2} \left\{ E[T^{2}] - E[T] \right\}$$

$$E[T^{2}] = \frac{N}{N+2} \beta^{2} \quad E[T] = \frac{N}{N+1} \beta$$

$$\frac{2}{\sqrt{2}} = \frac{1}{\sqrt{N+2}} = \frac{N}{\sqrt{N+2}} = \frac{N}{\sqrt$$

7[n)~U(-0,0) かんが注

$$P(X(n);0) = \frac{1}{20} \left(u(X(n+0)) - u(X(n-0)) \right) \frac{e^{N-1}}{e^{N}}$$

$$P(X(n);0) = \frac{1}{(20)^{N}} \prod_{n=0}^{N-1} \left[u(X(n+0)) - u(X(n)-0) \right]$$

$$2d^{2}e^{-e^{N}} \int_{0}^{\infty} |X(n)| \int_{0}^{\infty} max |X(n)| \leq 0$$

$$P(X(n)) = \frac{1}{(20)^{N}} u(0-max|X(n)|) - 1$$

$$P(X(n)) = \frac{1}{(20)^{N}} u(0-max|X(n)|) - 1$$

 $P(\pi(n)) = \frac{1}{\theta_{2} - \theta_{1}}, \quad \theta_{1} \in \pi(n) \in \theta_{2}$ $P(\pi(n)) = \frac{1}{(\theta_{2} - \theta_{1})^{n}}, \quad \theta_{1} \in \pi(n) \in \theta_{2}$ $P(\pi(n)) = \frac{1}{(\theta_{2} - \theta_{1})^{n}}, \quad \theta_{2} \in \pi(n) \in \theta_{2}$ $P(\pi(n)) = \frac{1}{(\theta_{1} - \theta_{1})^{n}}, \quad \max_{1 \in \mathbb{N}} \pi(n) \in \theta_{2}, \quad \max_{1 \in \mathbb{N}} \pi(n) \in \theta_{2},$

219 U[0.0] 22MM N/ 17D 1894. DOBMIE

ア(オ)=方、 つくなくの
ア(オ)=方、 つくなくの
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ア(オ) 在こう)内理技力方が
悪使ア(オ) 最大、外景使の最大
の又有のラ所有ない)
所以の取 mox がいりか 有所有らの内する最大