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$$x(k)$$

$$N$$

-

$$x(k)T$$

k

⋮

$$\frac{1}{NT}$$

$$\begin{matrix} \vdots \\ x(n) \\ \vdots \end{matrix}$$

$$c(n)$$

$$\frac{1}{NT} \sum_{k=0}^{N-1} x(k) e^{j2\pi k n / NT}$$

$$T /$$

$$c_n(x) = \sum_{k=0}^{N-1} \frac{1}{N} e^{j2\pi k n T / T} e^{-j2\pi k x / T}$$

$$T /$$

$$c_n(x) = \frac{1}{N} \sum_{k=0}^{N-1} e^{j2\pi k n T / T} e^{-j2\pi k x / T} \quad (11.1)$$

$$n = 0, 1, 2, \dots, (N-1).$$