

拉 Sinut·cosut = 是 Sinuth cosut n = 10 sinut cosut ott.

= 0. 型流向理。 = 0. 対象をはしまのまと「Ancos (nult 1+ 1)、Sin (nult)]

Stiffet =
$$a_0 + \sum_{n=1}^{\infty} Cancos(nwt) + b_n Sin(nwt)$$

$$a_0 Stable > \sum_{n=0}^{\infty} Ca_n \cdot e^{inwt} + e^{-inwt} + b_n \cdot e^{inwt} - e^{-inwt}$$

$$e^{ix} = cosxtisinx$$

$$cosxtisinx$$

$$cosxtisinx$$

$$cosxtisinx$$

 $\frac{1}{2} = \sum_{k=0}^{\infty} \left[\left(\frac{a_k}{2} + \frac{b_k}{2i} \right) e^{inwt} + \left(\frac{a_k}{2i} - \frac{b_k}{2i} \right) e^{inwt} \right]$

 $\frac{1}{N} = \frac{1}{N} = \frac{1}$

-> fit) = & Cn einwt = 1

CMe
$$= f(t) - \sum_{n \neq m} Cne^{n}$$

$$=) Cm = f(t) e^{imut} - (\sum_{n \neq m} Cne^{inut}) \cdot e^{-imut}$$

$$= f(t) e^{imut} - (\sum_{n \neq m} Cne^{inut}) \cdot e^{-imut}$$

$$= f(t) e^{-imut} - (\sum_{n \neq m} Cne^{inut}) \cdot e^{-imut}$$

对和原理服务. AW=(N+I)W-NW=W=学,

Cm = 2th = fetile imut dt

, iz Wn = n·W.

$$f(t) = \sum_{N=-\infty}^{\infty} C_N e^{iNWt} = \sum_{N=-\infty}^{\infty} \frac{\Delta w}{5\pi} \left[\int_{-1}^{1} f(t) e^{-iWh} dt \right].$$

$$e^{-iWht}$$

$$= \int_{-\infty}^{1} f(t) = \int_{-\infty}^{1} \int_{-\infty}^{1} f(t) e^{-iWt} dt = \int_{-\infty}^{1} \int_{-\infty}^{1} f(t) e^{-iWt} dt = \int_{-\infty}^{1} \int_{-\infty}^{1} f(t) e^{-iWt} dt = \int_{-\infty}^{1} f(t) e^{-iW$$

THOUB: $\lim_{n\to\infty} \frac{1}{\sum_{i=1}^{n} \frac{1}{\sum$

全FeWI= S-ab Fetje iwt at. 比例为傅子吃饭. 而fct1= 前 [o Fcwleiut dw, 新地區內洋遊換.

对语形情况在采存时间下内、有:(原始期的不稀DIFT)

=> t=nat at为新期间间隔。at=nat f为新疆

由Fivi = S-oofcereintdt,

=) F(WK) = \frac{1}{2} fcnot| \text{e}^{\infty} WK \cdot NoT = \frac{1}{2} \text{X(n)} e $W = \frac{211}{N \cdot at}$ =) FOWED = SEN XON ETKN : # X(n):时级传统内存在值。

共有N+11采挥鱼,产时间下二N.4t,