

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「Ancoscoutt」+ 1、Sincoutt)

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

i ZEWn=n·W.

$$fit_{1} = \sum_{N=-\infty}^{\infty} C_{N}e^{iNWt} = \sum_{N=-\infty}^{\infty} \frac{\Delta W}{3\pi} \int_{-1}^{3} f_{t_{1}}e^{-iWh}t$$

$$= \sum_{N=-\infty}^{\infty} \frac{\Delta W}{3\pi} \int_{-\infty}^{3} f_{t_{1}}e^{-iWh}t$$

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