(18)的定义式

本文用到的FFT对为:

$$F(w) = \int_{-\infty}^{+\infty} f(t) e^{-iwt} dt$$

A f(t) = sinwat,

$$\frac{\pi}{5} = \int_{-\infty}^{+\infty} \sin \omega t \, e^{-i\omega t} \, dt$$

$$= \int_{-\infty}^{+\infty} \frac{e^{i\omega t} - e^{-i\omega t}}{2i} \, e^{-i\omega t} \, dt$$

$$=\frac{1}{2i}\int_{-\infty}^{+\infty}e^{it(w_s-w)}dt+\frac{-1}{2i}\int_{-\infty}^{+\infty}e^{it(-w_s-w)}dt$$

振畅谱: ((w)=\R[[[]]+][[]]), 当W积W,~以时的》1.

** W, 11 + arta(-00) = - 2

注意.这里心只能取正, 还摩了!!

类似有coutes,四

"和化清里无负疑"和代码 周期延招的下了7回。

(SWot ← T [8(W-W3) + 8(W+W3)]

| Shwot ← T - iz [8(W-W) + 8(W+W3)]

知定义

教学上有若平针:

2.
$$\zeta(x) = \lim_{\epsilon \to 0} \frac{1}{\pi} \frac{\epsilon}{x^2 + \epsilon^2}$$
, 适合我伙什算

3. $\zeta(x) = \frac{1}{2\pi} \int_{-\infty}^{+\infty} e^{ikx} dk$, 可用于求Sinw.t, $e^{i\omega_0 t}$ 版FFT.

$$\overrightarrow{\gamma}(\overrightarrow{\gamma}) = \frac{1}{\gamma} \frac{\partial^2}{\partial z} (r, \frac{1}{\gamma}) = 0$$

$$\int \nabla^2 (-\frac{1}{7}) dV = \int \nabla \cdot (\nabla - \frac{1}{7}) dV = \oint (\nabla - \frac{1}{7}) d\vec{s} = -\oint -\frac{1}{7} \cdot \vec{\xi} \cdot d\vec{s} = -47.$$

2.
$$\int_{\infty}^{+\infty} \lim_{\epsilon \to 0} \frac{1}{\pi} \frac{\epsilon}{x^2 + \epsilon^2} dx = \frac{1}{\pi} \int_{\infty}^{+\infty} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 + 1} d\epsilon = \frac{1}{\pi} \lim_{\epsilon \to 0} \frac{1}{(\epsilon)^2 +$$

$$3. \frac{1}{24} \int_{-\infty}^{+\infty} e^{ikx} dk = \frac{1}{24} \lim_{N \to \infty} \left(\int_{0}^{\infty} e^{ik(x+i\eta)} dk + \int_{-\infty}^{\infty} e^{ik(x-i\eta)} dk \right)$$

$$= \lim_{N \to \infty} \frac{1}{24} \frac{N}{n^{2}+1} = (M_{N})$$
证明合理、冗贵值、

Jot e ikixtin) dk =0、 関紙成立.

lim lim of eik (x+in) dk. \$3\$0. 7tin > 3.

若Mp→0、即介及的小、□ JoMeiks+ip)dk → JoMeiks/k 但这证明也有不严谨处,比如、Mp→0为什么成立,也可能趋于分。

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