

单定阶级信息 以(七) 0 u(t) = u(t-to)

文学教(篇)
$$= \frac{d}{dt} S(t)$$

$$\int_{-\infty}^{+\infty} \{(t) f(t) dt = -f(0)$$

$$\int_{-\infty}^{+\infty} \xi(t) dt = 0$$

Fourier series

国期信号为f(t), 国期=T, W,= 2元 T, 接致形式

$$f(t) = \sum_{n=1}^{\infty} |F_n|^2 e^{jnw_n t}$$

$$F_{n} = \frac{1}{7} \int_{-\frac{7}{2}}^{\frac{7}{2}} f(t) e^{-jnw_{i}t} dt$$

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

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

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

$$f(t) \iff F(w)$$