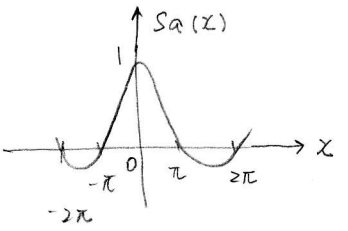


(2.36)

- $Sa(x) = \frac{\sin x}{x}$ 標本化関数

- $e^{jx} = \cos x + j \sin x$ オイラーの公式

- $\cos x \cos y = \frac{1}{2}\cos(x+y) + \frac{1}{2}\cos(x-y)$ (D.1)

$\sin x \sin y = -\frac{1}{2}\cos(x+y) + \frac{1}{2}\cos(x-y)$ (D.2)

$\sin x \cos y = \frac{1}{2}\sin(x+y) + \frac{1}{2}\sin(x-y)$ (D.3)

$\cos x \sin y = \frac{1}{2}\sin(x+y) - \frac{1}{2}\sin(x-y)$ (D.4)

$\sin(x \pm y) = \sin x \cos y \pm \cos x \sin y$ (D.5)

$\cos(x \pm y) = \cos x \cos y \mp \sin x \sin y$ (D.6)

- $\cos^2 x = \frac{1}{2}(1 + \cos 2x)$ (D.7)

$\sin^2 x = \frac{1}{2}(1 - \cos 2x)$ (D.8)

$\sin x \cos x = \frac{1}{2}\sin 2x$ (D.9)

$\sin x + \sin y = 2\sin\frac{1}{2}(x+y)\cos\frac{1}{2}(x-y)$ (D.10)

$\sin x - \sin y = 2\cos\frac{1}{2}(x+y)\sin\frac{1}{2}(x-y)$ (D.11)

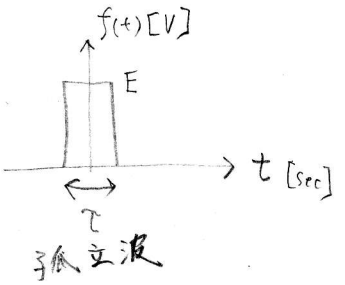
$\cos x + \cos y = 2\cos\frac{1}{2}(x+y)\cos\frac{1}{2}(x-y)$ (D.12)

$\cos x - \cos y = -2\sin\frac{1}{2}(x+y)\sin\frac{1}{2}(x-y)$ (D.13)

- $\sin x = \frac{e^{jx} - e^{-jx}}{2j}$ (D.14)

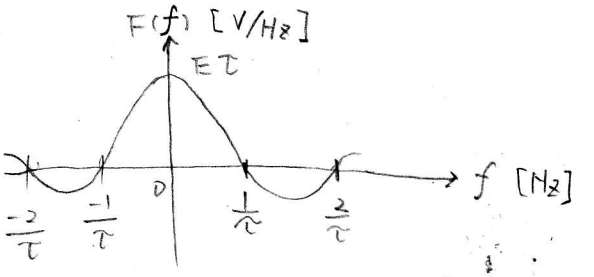
- $\cos x = \frac{e^{jx} + e^{-jx}}{2}$ (D.15)

} P.15

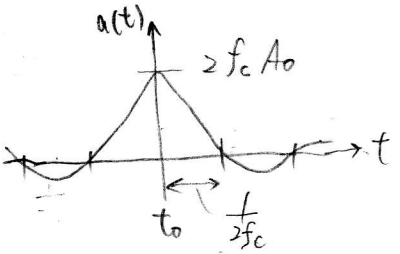
- 

孤立波

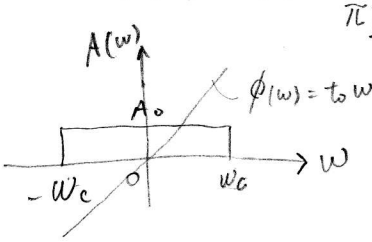
$\xrightarrow{F}$



$F(w) = E\tau \frac{\sin \pi f \tau}{\pi f \tau}$ (2.16)



$\leftarrow$



(2.59)

$2 f_c A_0 Sa(t - t_0)$