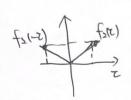
H.12).

$$f_1(t) = \begin{cases} -1, & \text{oct} \leq 1 \\ 0, & \text{the.} \end{cases}$$

fitt) * fitt) = (+0 fitt) fit-2)de.

の HIL 区湖 2年七14)



(2) 考虑平外

(2)
$$\frac{1}{\sqrt{1-2}}$$
 $\frac{1}{\sqrt{1-2}}$ $\frac{1}{\sqrt{1-2}}$

$$\frac{f(z)}{f_{2}(t-z)} = \int_{-\infty}^{+\infty} f_{x}(z) f_{x}(t-z) dz$$

$$= \int_{0}^{t} -1 \cdot (t-z) dz$$

$$= -\frac{1}{2}t^{2}$$

$$= -\frac{1}{2}t^{2}$$

$$\int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \int_{-\infty}^{$$

$$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2$$

```
这一一可应用民性性质和像平栅性质、叶(e)wotf+(1)=F1w-wo)
(1). ft) = sinwot - NIT)
      $ sinwat = If (eswat - e-swat)
  (II) A (tu) = 7 (t [ 6) mot NH)] - d [6-j mot NH)]
            = = = = [(U(w-w0) - U(w+w0))
   以底 ((m) 子 (m) 上 (m) Lenn, Ebruser 原本 (ではい) = シェルチを(m)
             = 1/3 ( 3(w-w0) + T( & (w-w0) - 3(w+w0)) - T( & (w+w0)).
             = \frac{w_0}{w_0^2} + \frac{\tau}{2j} (\gamma(w_0 w_0) - \gamma(w_0)).
「「一」」。 也可应用卷形下m,与《出黔的卷形,性质、《(+-to)* htt)= h1+-t。).
   进卷积下m. 叮(fit)·fx(t)) = 立下F((w)*Fx(w))
              = 2TL. 300 STL (8w+w0)-81w-w0) * (3w+TL81w))
            = 1 ( w+w, ww)
            = \frac{1}{2} \cdot (8(\omega+\omega) - 8(\omega-\omega_0)) \dagger \frac{1}{\omega}.
             + 12 (8(w+w0) - 8(w-w0)) + 8(w)
            = 1 (-w+w0+ w-w0) + 1 (8(w+w0) - 8(w-w0))
             = w=wo.+ 22 (8(m+mo)-8(m-mo)))
```