

P24. 7.
$\frac{13)f(F(w)) = \frac{1}{2\pi}\int_{-\infty}^{+\infty} (yzw) e^{zwt} dw = \frac{1}{2\pi}\int_{-\infty}^{+\infty} \frac{e^{zw}}{2} e^{zw} dw.$
= 10 (+0 e) +e dw.
$\frac{(3)f(F(w)) = \frac{1}{2}\int_{-\infty}^{+\infty} (sw) e^{iwt} ds = \frac{1}{2}\int_{-\infty}^{+\infty} \frac{e^{iwt} ds}{2} e^{iwt} ds}{\frac{1}{2}\int_{-\infty}^{+\infty} \frac{1}{2}\int_{-\infty}^{+\infty} \frac{e^{iwt} ds}{2} e^{iwt} ds} = \frac{1}{2}\int_{-\infty}^{+\infty} \frac{e^{iwt} ds}{2} e^{iwt} ds$ $= \frac{1}{4\pi} \left[\delta(2+t) + \delta(t-2) \right] = \frac{1}{2} \left[\delta(2+t) + \delta(t-2) \right]$
(4) 2-1 (F10) = 1 (+00 25mw provedu) = 1 (+00 25mw Cs wt dw
$=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+S(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+S(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+S(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]=\frac{1}{3}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{4\pi}\left[S(2+t)+\frac{3}{3}(t-1)\right]$ $=\frac{1}{$
1. Telest , of white
注意的 f(t)= } 1 (t) = 有 f(f(t))= 25mW.
1. the 1
$(4) \cdot 3 + Chw] = \frac{1}{10} + 1$
= 1 2 Tio les E 2tw
t>0, = fx fnikes [ew, [i]].
= 4e-st xpe
+ 10 +=1) 7201'= 15
tw. 134= = to (x(-wt) dw = = to le (to) 2+w) dw.
= 4 est.
: 子(c!m)]= 若(e.r.t.). = 在(e.r.t.).
j

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(1) $ f [ f(t)] = f-x & (t-1) (t-2) sint e we dt = sin | e w.
(3) { then]= [to (8(t)+)8(t)+38'(e)] e we dt = for f (6(t)]+2f (8(t))
   = 1+ 1210+3(2W)2=1+22W-3W2
                                                                                   + } fc {"(t)].
(b). fitsint. enj = Flum). Flw=fitsnt].
   Flefiti]=iF(w), FCSmeJ= inc &(W+1)-8(W-1)]
 : 18t= TI[S(w) - S(was)]
 P>4.7
(1). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi \delta''(w) e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0

(5). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi w e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0

(5). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi w e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0

(6). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi w e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0

(7). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi w e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0

(8). f^{-1}[F(w)] = \frac{1}{17} \int_{-\infty}^{+\infty} -2\pi w e^{2i\omega t} dw = -\int_{-\infty}^{+\infty} \delta'(w) e^{2i\omega t} dw = 0
                                 TTi-) Ti (Rest -, i) + lest, Li) &
                                 13(e-th-e-4th) t+0=d-
                                                                                           1 (e-t-0e2t) tzu
                                                                 t=0.
                                                                                            11e-11-0-1, co
 P204. &
(1) figur)] = fitfat)] = ffixfat)]= ifix) i([F(=))
                           - 辛助F(型)
 (4) f[tf(t)] = f[(tf(t))'-f(t)] = f[(tf(t))']-f[f(t)]
                               = 10. = F(w) - F(w) = - WF'(w) - F(w)
  1204. CT
                        + 30 (15) g(s-4) d/s =
                            fortes smissids - I steo
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$$f(x''(t)) = \partial - w^2 F(w) = -w^2 \chi(w), f(x(t)) = \chi(w).$$
| $f(x''(t)) = \partial - w^2 F(w) = -w^2 \chi(w), f(x(t)) = \chi(w).$
| $f(x''(t)) = \frac{1}{10} \int_{-\infty}^{\infty} -\frac{1}{10} \int_{-\infty}^{\infty} -\frac{1$