

## 数学作业纸

t3.Ma. (fie-20) - / to e-20-jwb dt ti.解· ft, = e-at (a70, t70) = 25/2 e - t - j 25 wt At J[ft] = ft)e-jwt dt = 2/3/+ e e e - - j 2/5 w t + 5 w d t = fto e - (jw+a)t dt = -(jwta) t +00 = 2/570 b. Tw (t.0) = for, w(t.0)  $t_2. R_1 \cdot f_{t,2} \cdot f_{$ = 0 10 . 0 2 = 0 11 1 : f[ fw(ti)] = Jun e - 1 w Flftis= Los fits e jut dt 2/57 = fort (cosut-jshut) dt + TT (cos wt- Jsx wt) dt 其中 f toowt = wtsh ht ftsht= -wtcosht + we sinwt : It = IXWET IND COINT - INZ - 1 (- W COSWIT Sin WIT) 对比可见取自山岛后局部族清  $+ \frac{T}{W} \left[ \frac{\sin 2 wt - \sin t + j(\cos 2wt - \cos t)}{e^{-jwt} - j} \right]$   $= \frac{e^{-jwt} - j}{|w|} e^{-jwt}$ 更干缓