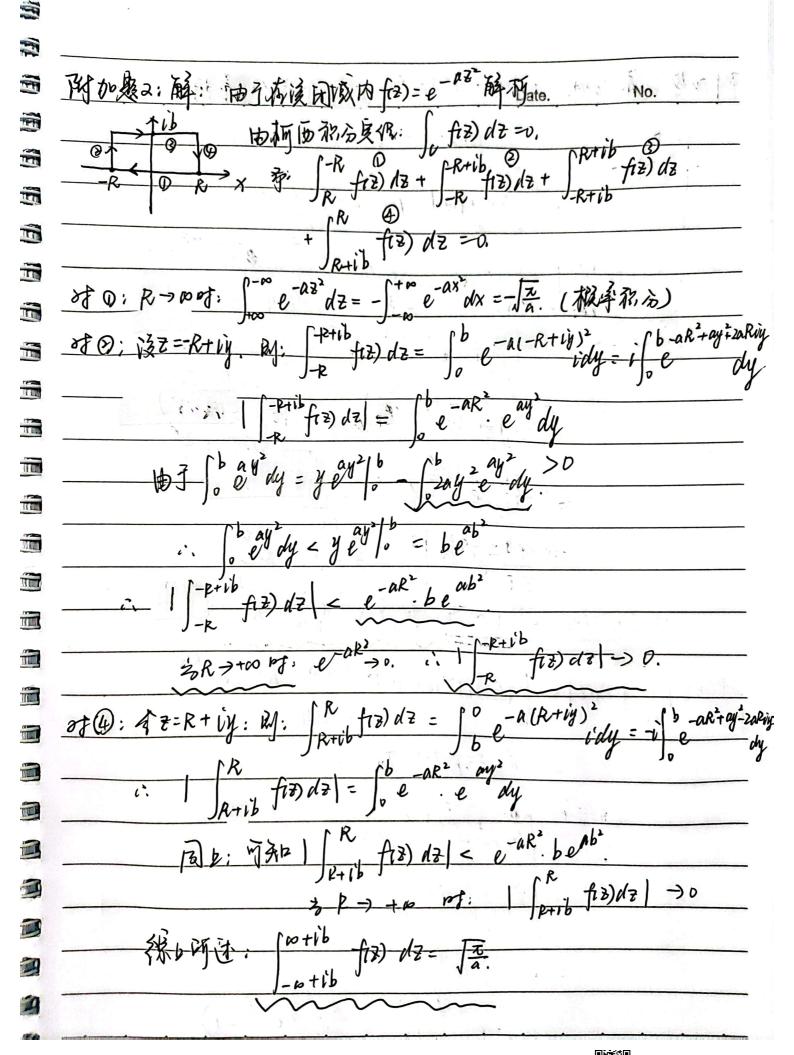
着四周作业解告. 7. 解: ibm?; 由 lim zfiz) - A 可 xx; 4470, 3 R>0. 2 | 2 | > R, MT. 1 2 ft3)-A | < E. Si C. 2 dz = [Wike do Reio = IK. ER=Ro. | fiz) dz - id x = | fiz) dz - / Az | $= \left| \frac{2 f(2) - h}{2} d2 \right|$ $\leq \left| \frac{2f(2)-h}{2} \right| ds$ R. R. C. S. C. ST. B. Lin fred dz=iAa 8. 解: 咖:由于自己的比P(的高冰、剧心型P(的) 12) 75/4 1/3/10; firm (2) (2) (3) (3) (3) (3) (3) (或有: |P(3)| = 1 · |M(2)| . 張凡克的大. | 13) dz = 12 · 22 = 22 → 10 福子最大厦M. : lim (P(3) d7 =0. (3/8)

附加坡 band; vbm; ha lim fiz) =0. ym, 4500, 3 Ro >0. 名 13> Po. 1fiz)1 < 8 M. 1 (fiz) e 1 m 2 d 3 1 1 1 1 1 1 7 3 3 $\mathcal{R} \cdot \leq |f_{12}| \cdot |e^{imt}| |dz|$ 17) Z= Reid (0 < ong 2 < 2) 20 | eim? | = e-Rmsind dz= Piejo do => |dz| = Rdo. - [Filip) = [Temsino Rdo = | [| f(z) | e - Rmsho Rdo + | x 1 f(z) | e - Rmsino Rdo = 2R () | f(3) | e - R,m simo do 由了 b ∈ 50, 到 rd, 20 € 5imo 1537,515 2R (1972) e-Rm=0 do = $-\frac{m}{\pi} \frac{-Rm \frac{2}{3}\theta}{|f(8)|} = |f(8)| \left(1 - \frac{m}{\pi} \frac{-Rm}{e}\right)$ < | fiz) | 南由伏成湖和: YSOU, 3B,20. 取13/2Po. 剧的[原於为 < 1f(+) < 2. · lim / (13) e dz =0, 340}



附加多的解:ing: 高fis=zste=z 虚浅闭底内解析. G (R :) olz = D. $\frac{s R}{s} = \frac{1}{s} \frac{f(z) dz + \int_{s}^{R} f(z) dz + \int_{s}^{R} f(z) dz + \int_{s}^{R} f(z) dz = 0}{s} = \frac{1}{s} \frac{g}{s} =$ AB= x-0 | x 5- GSIMO (-da) | +3 0 6 [0, x) $\leq -\hat{s}$ e $d\theta$ = 85+ - 570 \ \vec{v}{\pi} = \frac{\vec{v}}{17} (\vec{v}^{\vec{v}} - 1) 10] 5-70 mg. es-1 ~ -5. fints = lim -2 25 = 0. $\frac{2}{|S|} \frac{|S|}{|R|} \frac{|S|}$ = $\int_{0}^{2} R^{s} e^{-Rand} do$ 4 0= 2 0 0 R. e Rsino (-do) = PRSINO do = Rs ve-Rzydo $= \frac{R^{3+} - R^{\frac{3}{2}}}{2} \Big|_{\overline{z}}^{2} = -\frac{R^{3+} (e^{-R} - 1)}{2\pi}$ = 1-e-R) 0. 3R) +mm.

(R fiz)+ fiz) dz =v. & soo, R7-tgatof. I [the + st sint dt = [(s) sin 75.

9. Par 2 dz = 278. e = 220 = 220. Vb: 10] 0= -011. Post = [-1 cos (s/ND) (-d0) = [0 cos (sino) NO $-\frac{1}{2}\left(\frac{\pi}{2}\cos(\sin\theta)d\theta + \int_{-\pi}^{0}\cos(\sin\theta)d\theta - \frac{\pi}{2}\left(\frac{\pi}{2}\cos(\sin\theta)d\theta - \frac{\pi}{2}\cos(\sin\theta)d\theta\right)\right)$ cife = 1 2 e was ons (sino) do $-\frac{1}{2}\int_{-2}^{2} \frac{1}{e^{-\frac{1}{2}}} \frac{1}{e^{-\frac{$ 1= eio. d==veiodo => do= d= 1= · RX= = (e2+ e2) d2 $=\frac{1}{4i}\cdot 2\pi i\left(e^{\frac{2}{3}}\Big|_{\frac{7}{3}}+e^{\frac{7}{3}}\Big|_{\frac{7}{3}}\right)$ $|0.|| \overline{\mathcal{A}}; D) \int \frac{e^{t}}{c + \epsilon^{2}} d\tau = \int \frac{e^{2}}{(z+i)(z-i)} d\tau$ $= \lambda m \cdot \frac{e^{2}}{z-i} = -\lambda e^{-i}$ 17. 解源。 第三0. (2所) 3=1. 3=1 (一所) · RA = Mi (2+1/(2+1)) | 2=0 + 2 (2+1) | 2=1 + 24/2=1

②ercing: 原文= yzw: (2+1)(2-1) / = 0. Date. No.
以有至2000
多水。 原积分 = 0.
12. 福元(1) 有五: 王=3. 七=-3. 王=-1. (一约).
12====================================
-2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -
= 221. (-3 + 3 -10)
= 0
13. 南部: N) is: 由新西部的公司 zu: fizo)= in fizo)= in fizo)= in fizo= dz. (27-2+1. by fizo= in fizo= dz.) (27-2+1) dz.
(xf(z)=222-2+1. 2) frzo= mi c z=zo
g (20)= 2711 f(20)
: J11)= vnif11)=(2-1+1)·vni=420. 3900.
(2) 13172时, 积分闭域内无考至.分解析.
政协柯彻初分定得州采加:9120=0.
政协构的形分定限则采加:9120=0.
: [] Z = i
$= \nu \pi i \cdot \frac{2 i z}{(z + i)^3} \Big _{z = i}$
= 27/i. 7i
= 1/2
v

不甘方限C内有塞至上午, 分割为 a(1), a(2), ··· a(k). (K) 老不战下桥从小至大棚手, 177+1. 由树的的的水流原文:nin (z-ai) dz E = 1 211 × (1 | z=a11) + 1 | z=a(1) + ... + 1 | z=a(15) : 1 (P'(Z)) dZ = K PCA RZ/TAZ, ZZ/18.