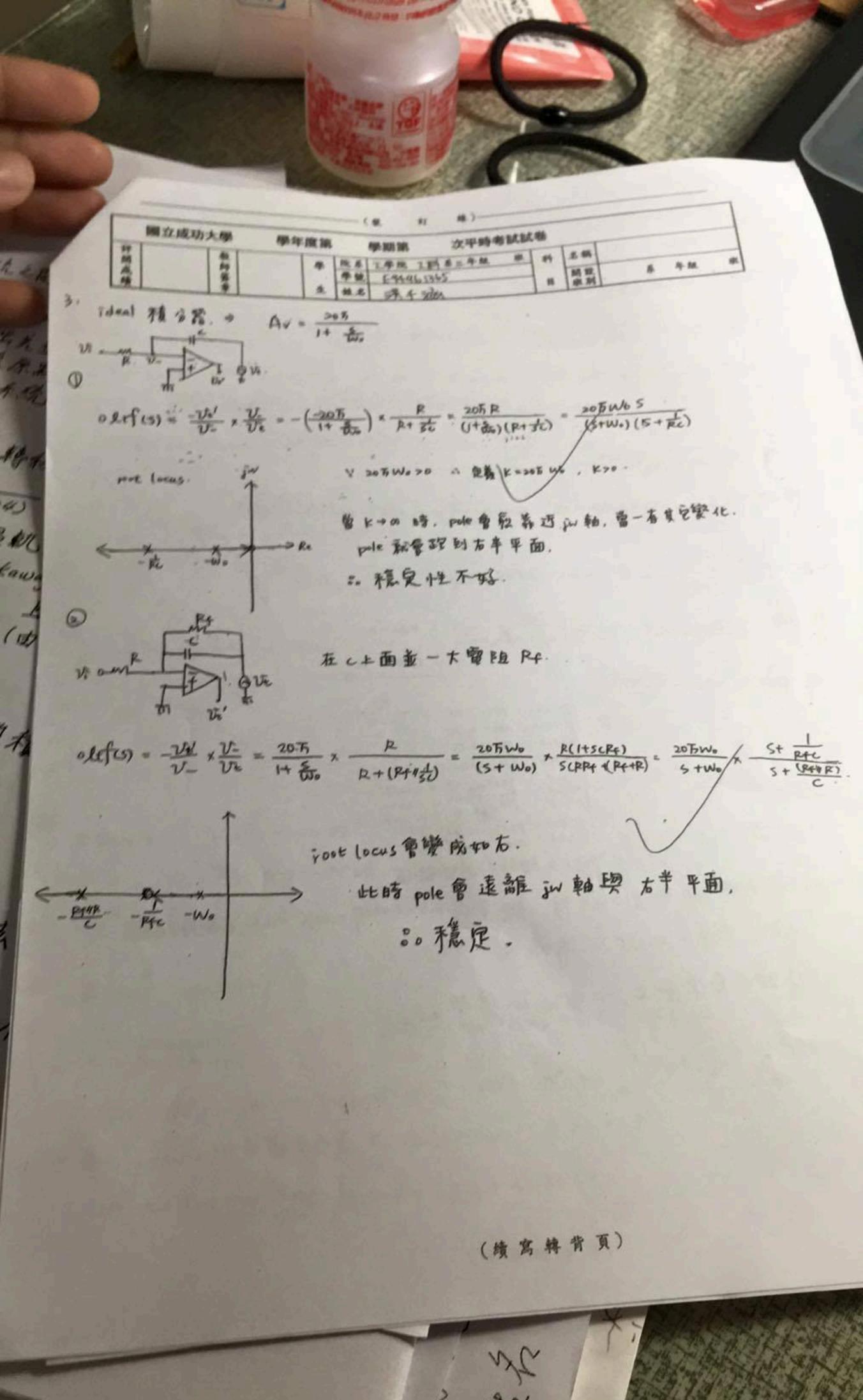


下頁.



5= jm (t) a Gym) = -W+j28WWn \$ 100m1=1 08 JW= Wgc - Mg + j = 8 Mg Mn = Juget + 48 mg ini = 1 = 1 = Wget + 48 mg ini = Wn4) ngc++45 ngc wn - wh + = 0 = wgc-x x+ 48 m x - wn = 0 $X = \frac{-43^{2}W_{n}^{2} \pm \sqrt{165^{4}W_{n}^{4} + 4W_{n}^{4}}}{2} = \frac{-43^{2}W_{n}^{2} \pm 2W_{n}^{2} + 43^{4} + 1}{2}$ $w_{3}e^{2} > 0$ $x = \frac{-43^{2}w_{n}^{2} + 2w_{n}^{2}\sqrt{43^{4}+1}}{2} = -23^{2}w_{n}^{2} + w_{n}^{2}\sqrt{43^{4}+1}$ => Wgc = Wn -25 + 145+1 $PM = 180^{\circ} - \angle S_{i} - \angle (S+23Wn) = 90^{\circ} - \tan^{-1} \frac{w_{5}c}{23Wn} = 90^{\circ} - \tan^{-1} \frac{1}{23} + \sqrt{433}$ 来 GM=? G(jw) = -w+ jzswwh = -180° B\$, G(jm) + R : W=0. 00 GM = -20 log | Gcjwe) = -20 log | wn² / 48 m² wn² | " Wpc=0.

∴ GM = 00 # 由の推書 PM= qio - tan-1~2534531 3=0,01 , PM= 1.45 = 9 = 011 , PM = 11.311 3.1 9=0,2 , PM= 21.83 3 - 03 , PM = 31.14 0.5/1 PM=46.28 + 6,4628 = 0.8 , PM = 52.60 0 0.5260 = 0.8 , PM = 64.04 0 0.6404 = 1.0 1 PM = 16.345. 3 = 1.09 , PM = 86.088 5=0與3=11管無值 品此近似方式合理,但在多>0.5 该、誤差 0.5-0.4628 ×100%=3.72%高可接受

在3-14号, 酸差=23.655% 太大.

在5>0.5預誤差配牛愈大,心要小心使用。

