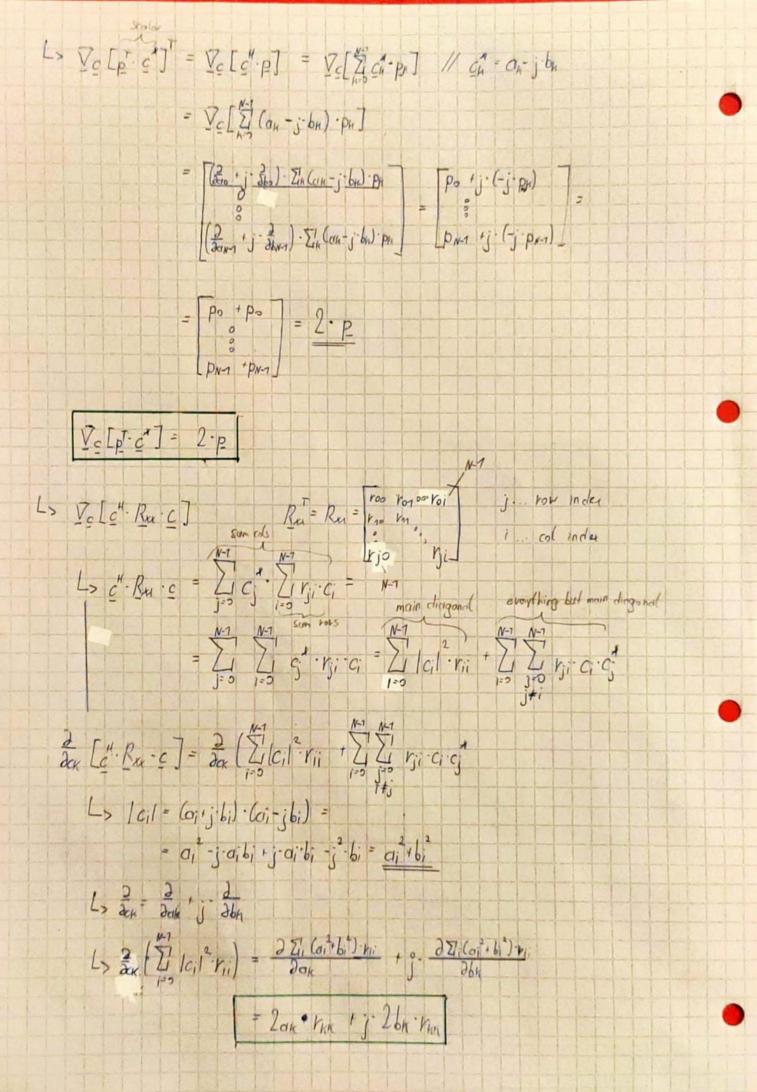
2.6 Analytical Problem Theres = Ellerni] - Elerni etas] - Hern - yen - dan : Ca-Di - d-6 I then - denil (Veno - deno) = Elyens yens - dens yens - dens yens + dens dens dens / yens = g" xens; don't sub dens + Et d' xem (E xim) - dem (d xim) - dem (E" rem) + dem oten) + - Elden xin - Elden xin - Elden xin - Elden xin : Elden dins = c*-Ru-c -p*-c -p.c* +60 Minimize -> derivate (Ve) Ve = 301 with 2 = 2 on j don for complex CK Vg Jmecs = Vc c" Buig - pic - pic + Gd] L> Vo[p. e] = Ve[c. p] = Ve[\frac{1}{2} ch.ph] = = Ve Z (OK +jbk)-ph = L> Da = Sup 13 appo [(3, 1, 3) · Z'(cu, 1, bn) · pn = 2 Zin (cont j bn) · pn | 2 Zin (cont j bn) + pn | 2 Zin (cont j bn) + pn (Box + j - Bloom -) - Zi (on + j bn) - pn | 2 Zin (on + j bn) - pn | 2 Zin (on + j bn) - pn | den + j bn + j den + j $\begin{bmatrix}
 P_{0}^{*} & + j \cdot (j \cdot p_{0}^{*}) \\
 p_{N-1}^{*} + j \cdot (j \cdot p_{N-1}^{*})
\end{bmatrix}
=
\begin{bmatrix}
 p_{0}^{*} - 1 \cdot p_{0}^{*} \\
 p_{N-1} - 1 \cdot p_{N-1}
\end{bmatrix}
=
\begin{bmatrix}
 0
\end{bmatrix}$



上。最(至至 5: 95)= = (= 1 - j - she) · (= 1 - j + j · (a; - j b) · (a; - j b)) = Il fruit doisele over i, then j + rai (a, + j bi) (1-0) + j rai (a, + j bi) · (0-j · 1) = Mra; = rin = [rik · (a, - j bi) + rin · j · (gi- j · bi) + rik · (a) · j · (gi · j bi) · rin = = 21 VIK. 01 + VIK - j. bi + VIK - 01 + VIK - j.bi = 2 2 · rin · a; + 25 · rin · b; = 2 2 · rin (ai + j · bi) = 2 2 · rin · ci = 2 2. Vik Ci = [2. Rxi C] rock love rosethologs L> Ve [c" Ru-e] = 2. Ru-e Vc JMSECS) = 2. Rx1.c - 0 - 2.p +0 = 2. Rxi · c - Zp = 0 1/to find minimum => CMSE = Ra P // Wienen Hopf solution for complex numbers

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b) Jmn Imm Inscars = CME Ru GAG - p GAG - p CAG + Go = (Ring) (Rai Rai) p - p"- Rai p - (p-(Rai p))+ 68 = (Rap) P - P". Rap - (Rap) P + 601 = -p-Ra-p + EZ/dons/3 = //don = h" xon + mons = -p". R" p + E { (h" x [n] + v [m]) · (h" x [n] + w [m]) } = -p". R" p + E { (h" x [n] + v [m]) · (h" x [n] + w [m] + h" x [n] · w [m] + h" x [m] · w [m] + WENJ. WIN]} = - p - Ru p + h - Ru h + 62 1/h - que = Ru p = -p" Ra p + (Ru P) Ru Ra p + 62 -- pH. Par 12 + p. Par 12 - p. Ru Jmin = 62

(4)