$$W^{7}W = [4:30][40][4\times4+3\times3+0\times0] + (6)+3x-5+0x2$$
 $0-52$ $0\times4+-5\times3+2x_0$ $0\times0+-5x-5+2x_2$

$$|\nabla w|^{2} = \begin{bmatrix} 4 & 0 \\ 3 & -5 \\ 0 & 2 \end{bmatrix} \begin{bmatrix} 4 & 3 & 0 \\ 0 & -52 \end{bmatrix} \underbrace{9 \times 3} \underbrace{3 \times 2}$$

$$|\nabla w|^{2} + 0 \times 0 + 0 \times 3 + 0 \times -5 \quad \forall x + 0 + 0 \times 2}$$

$$|\nabla w|^{2} + 0 \times 0 + 0 \times 3 + 0 \times -5 \quad \forall x + 0 + 0 \times 2$$

$$|\nabla w|^{2} + 0 \times 0 + 0 \times 3 + 0 \times -5 \quad \forall x + 0 + 0 \times 2$$

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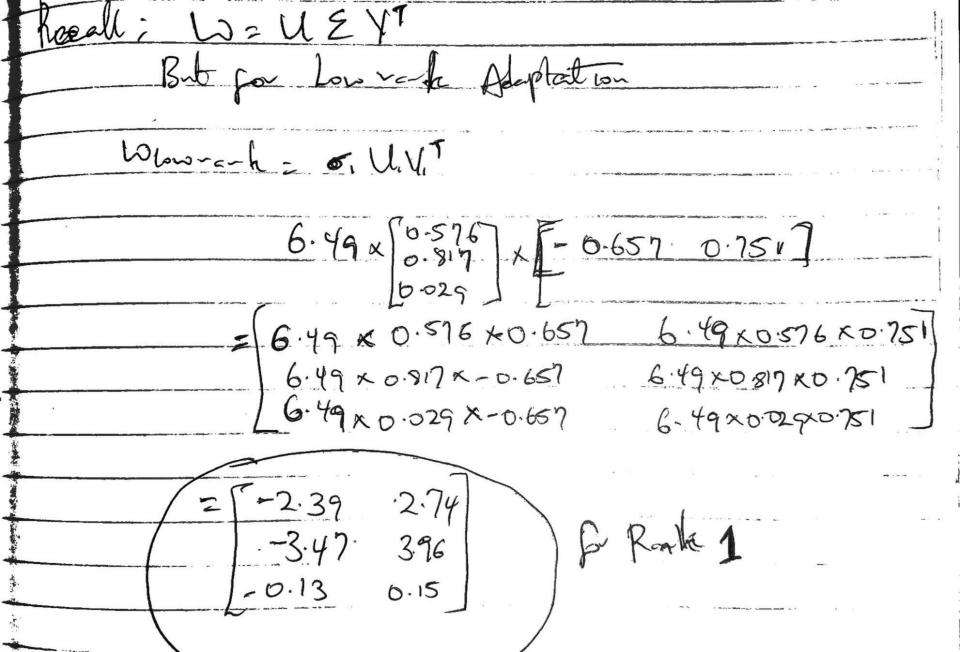
$$|\nabla w|^{2} + 0 \times 0 + 0 \times 2$$

$$|\nabla w|^{2} + 0 \times 0 + 0 \times 2$$

$$|\nabla w|^$$

det / 1 -25 -15 +45 1-29 ((1-25)×(1-29))+(15)x15) $\lambda^2 - 29\lambda - 25\lambda + 725 + 225$ $\lambda^2 - 29\lambda - 25\lambda + 725 - 225$ x2-54x+500 X2 1 950 -5 ± 1/1/2-4ac 9 = 1 5=-54 C = 950 500 -C-54) + N-542-4(1)(500) = SY + J 2916-3800 = 54± × 916 = 42.14, 11.86 By cle : for Low = det (A1-Low) =

Thet merm of R33 = [200] λ=9,42.14,11.86 - 16 -12 0 212 2-34 10 Dingolor Values, or = A 42.14 = 6.49 00 = A 11-86 = 3.44 Comple Von wiw = (win - AI) V=0 $\begin{bmatrix} 25 - 42.141 & -15 \\ -15 & 29 - 42.14 \end{bmatrix} = \begin{bmatrix} 17.14 & -15 \\ -15 & -13.14 \end{bmatrix} \begin{bmatrix} 17.14 & -15 \\ 17.14 & -15 \end{bmatrix} \begin{bmatrix} 17.14 & -15 \\ 17.1$ -13.14_1/12/50 [25-11-86 -15] = [13.14-15] [-15 29-11-86] = [-15 17.14] - 17.14V11 + 15V12 =0 -15411 - 13.14 Venz =0 UY21 = [0752] ho exu 1 VII= -15 VIZ = 0 = 875 VIZ $V = \begin{bmatrix} -0.657 & 0.752 \\ 0.751 & 0.659 \end{bmatrix}$ 17.14 0.659 -15(0.875) = 13.14(12=0 U= do-same as Y where wwt=u Y12=1 Y11-0.875 U= 0.576 0.6387 0.817 -0.374 -0.375 10,029 0.677 = 1-33 Etsthe synhichen ina | | VIII = N-0.8752+12 $\frac{1}{1.33} \begin{bmatrix} -0.875 \\ 1 \end{bmatrix} = \begin{bmatrix} -0.657 \\ 0.751 \end{bmatrix} \begin{bmatrix} 6.49 & 0 \\ 0 & 3.44 \\ 0 & 0 \end{bmatrix}$



Renke 21 3.44x [0.638] x [0.752 0-657] 3.44×0.638×0.752 3.44×0.657 3.44×0.374×0.752 3.44×0.657 3.44×0.374×0.752 3.44×0.657 3.44×0.677×0.752 3.44×0.657 1.95 1.49 1.75 1.53

full metrin rank Wow rach = oilly to to UzVZ

- [-239 2:74] + [1.65 1.49] -3.47 3.96] + [-0.97 -0.85] -0.13 0.18