2 Nou Linau Systems

example @

$$\frac{p^{4}}{\chi^{3}} = 40 \longrightarrow \chi^{3} - 40 = 0$$

$$x^{4} = x^{\circ} - \frac{(x^{\circ})^{2} - 1^{\circ}}{3(x^{\circ})^{2}} = 2 - \frac{8 - 1^{\circ}}{12} = 2 + \frac{17}{12}$$

$$x^{2} = x^{\circ} - \frac{(x^{\circ})^{3} - Lc}{3(x^{\circ})^{2}}$$

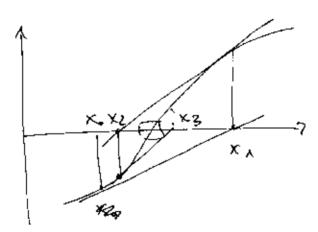
flat gradient un updark possible!

Tocobran:
$$\overline{J}(x) = \begin{bmatrix} 1 - x_2 & 1 - x_4 \\ exp(-x_2) & - x_4 exp(-x_2) \end{bmatrix}$$

$$\begin{bmatrix} 1 & 1 & 1 \\ 1 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = \begin{bmatrix} -2 \\ 1 \end{bmatrix}$$

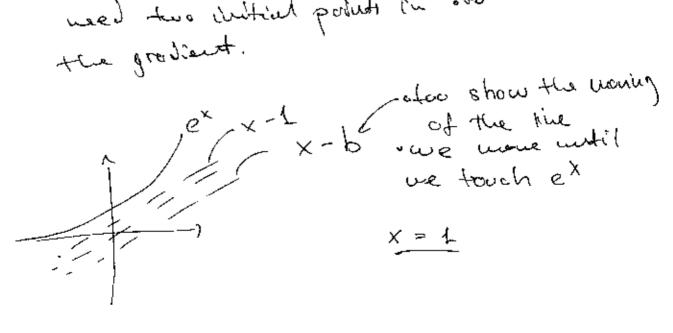
$$x^{1} = y^{0} + x^{0} = \begin{bmatrix} 1 \\ -3 \end{bmatrix}$$

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- junge probably tou inaccounte print & redo.

an socart Hether campt be used share we used two without postute in order to estimate the gradient.



$$f(x) = e^{x} - x - 4$$

$$f'(x) = e^x - 4$$

$$x^{\circ} = 1$$
 -> $x^{(+)} = x^{\circ} - \frac{f'(x^{\circ})}{f'(x^{\circ})} = 1.164$

.

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while (b-a) & tol do

u 2- (w/b)/2

if sign f(a) = signf(m) thum

az- w

e (ce

4 2- W

end if

end while

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$$\frac{d}{dx} x^2 = 0$$

$$\chi^4 = \chi_s - \frac{2\chi_s}{2} = 0$$