Vector 10 Km/h Childraie fonom $\overrightarrow{\mathcal{N}} = \begin{bmatrix} x_1 \\ x_2 \\ \vdots \end{bmatrix} \in \mathbb{R}$ $|P||_{z} = \sqrt{2 + b^{2}} = \sqrt{2 + b^{2}}$

$$\overrightarrow{\mathcal{X}} = \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix} \qquad \overrightarrow{\mathcal{X}} = \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix}$$

$$\begin{vmatrix} \overrightarrow{\mathcal{X}} \\ y \end{vmatrix} = \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{vmatrix}$$

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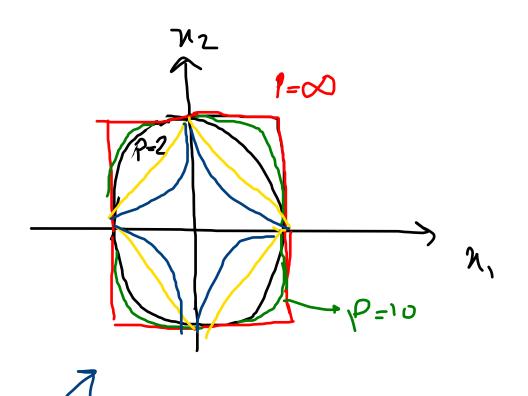
$$\begin{vmatrix} x_1 \\ y_n \end{vmatrix} = \begin{bmatrix} x_1 \\ y_n \\ \vdots \\ y_n \end{vmatrix}$$

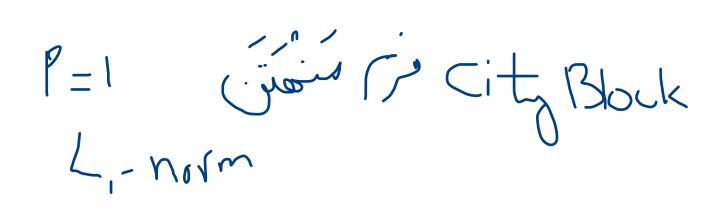
$$\begin{vmatrix} x_1 \\ y_n \end{vmatrix} = \begin{bmatrix} x_1 \\ y_n \\ \vdots \\ y_n \end{vmatrix}$$

$$\frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}$$

$$\int_{-2}^{2} = \chi^{2} + \chi^{2} = 1$$

$$\int_{-2}^{2} = \lambda$$





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$$\|\vec{\chi} - \vec{y}\|^2 = (\vec{\chi} - \vec{y}) \cdot (\vec{\chi} - \vec{y}) = \sum_i (x_i - y_i)^2 = \text{Euclidean}(\vec{\chi}, \vec{y})$$

 $(n-y_1)^2 + (n-y_2)^2 = ||x-y||^2$

$$\|\vec{x}\|^{2} = \vec{x} \cdot \vec{x} = \vec{x} \cdot \vec{x}$$

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$$\sqrt[3]{\gamma} \cdot \sqrt[3]{\gamma} = 0$$

$$\mathcal{T} = \begin{bmatrix} 1 \\ 1 \end{bmatrix} \neq 0 \qquad \mathcal{T} = \begin{bmatrix} -4 \\ 4 \end{bmatrix} \neq 0$$

1- Zelo Vector:
$$\overrightarrow{O}_{n}$$
 [\overrightarrow{O}_{n}]

2- One Vector: \overrightarrow{T}_{n}

3- \overrightarrow{e}_{i}
 \overrightarrow{P}_{i}
 $\overrightarrow{P}_$

$$\overrightarrow{N} = \begin{bmatrix} 5 \\ 7 \\ -3 \end{bmatrix}$$

$$\overrightarrow{e}_{\lambda}^{T} \overrightarrow{\lambda} = ?7$$

$$e_i \gamma_i = \gamma_i$$

$$\frac{1}{2} = \begin{bmatrix} 1 \\ -2 \\ 3 \end{bmatrix}$$

$$\left\| \frac{1}{x} \right\|_{2}^{2} = \frac{1}{x} = \frac{2}{x} =$$

$$\|\vec{x}\| = \sum_{i} |x_i|$$

$$\left\| \overrightarrow{\chi} \right\| = 3$$

مارس؛ آراس در مغری ک عربه ها د- رفر ري آلها ديرن A= [1245] matrix is) u: Ae IR w'u EIN ritually sland remsor remin (|n|)=1 (ow vector [--]) (|m|)=1 column vector [-]ajelk AEIR EIR