

6

FIND  $\|A\|_\infty$ ,  $\|A^{-1}\|_\infty$  &  $\text{COND}_\infty(A)$

WAS IST  $\text{COND}_\infty(B)$   
WO B IST MATRIZ

WHAT!

CONDITION NO. OF B IS  
& IT IS

$$A^{-1} = \begin{bmatrix} 1.8969 & 0.8648 \\ 0.2161 & 0.1441 \end{bmatrix}$$

STRENGTHS OF  
WIRE, WIRE  
TWISTED  
ENTROPY,  
BEHAVIOR OF  
QUANTUM SPINNS

$$\|A\|_\infty = 1.2969 + 0.4648 = 2.1617$$

SOON FIRST PART

$$\text{COND}(A) = \|A\| \cdot \|A^{-1}\|$$

$\|A^{-1}\|_\infty \rightarrow$  IS THERE A SPECIAL RULE FOR  
DICHS?

IF ONE KNOWS  
 $\|A\|_\infty$ , DOES  
 $A^{-1}$  NEED TO

~~EVAL~~ BE FOUND  
BEFORE IN ORDER TO  
FIND  $\|A^{-1}\|_\infty$ ?

6) ENN/DOES  
IN  
THE  
NOSE

$$\begin{bmatrix} a & b \\ c & d \end{bmatrix} \rightarrow (ad-bc)^{-1} \cdot \begin{bmatrix} d & -b \\ -c & a \end{bmatrix}$$

INF

$$\|A\|_\infty = \max \begin{cases} |a| + |b| \\ |c| + |d| \end{cases}$$