



# Presentation Topic



Bullet points:

- first element is in  $\mathbb{R}$
- second is in  $\mathbb{C}$
- third is to show how to open and close “quotes” in  $\text{\LaTeX}$

Numbered list:

- ① first
- ② second
- ③ last but not least, only label equations that are reused



## Theorem

If  $\sigma$  and  $\tau$  are two permutations of  $\llbracket 1, n \rrbracket$ , then  $\varepsilon(\sigma\tau) = \varepsilon(\sigma)\varepsilon(\tau)$ , and  $\varepsilon$  is a group homomorphism from  $S_n$  to  $(\{-1, 1\}, \times)$ .

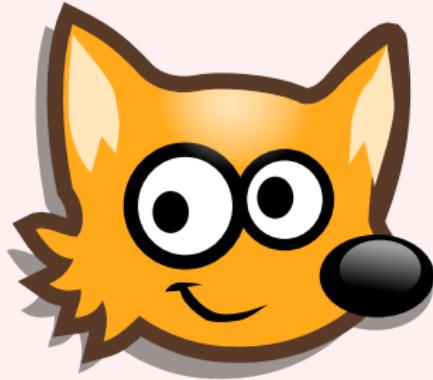
## Proof.

For  $A = (a_{i,j})_{1 \leq i,j \leq n}$ ,  $\det A$  is often denoted

$$\det A = \begin{vmatrix} a_{1,1} & \cdots & a_{1,j} & \cdots & a_{1,n} \\ \vdots & & \vdots & & \vdots \\ a_{i,1} & \cdots & a_{i,j} & \cdots & a_{i,n} \\ \vdots & & \vdots & & \vdots \\ a_{n,1} & \cdots & a_{n,j} & \cdots & a_{n,n} \end{vmatrix}.$$

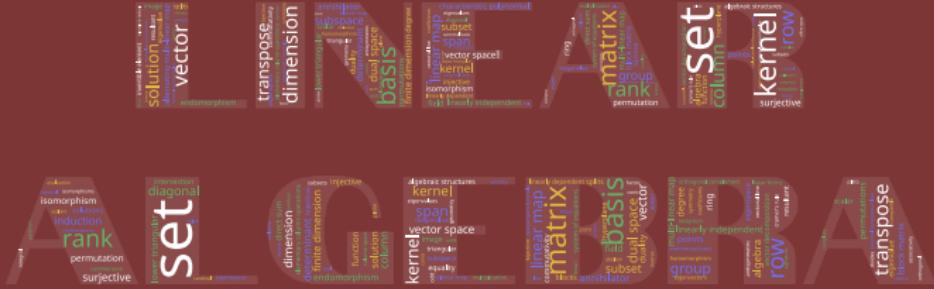






### Example

Two columns aligned to the top  
with a picture on the left.



# Thank you!