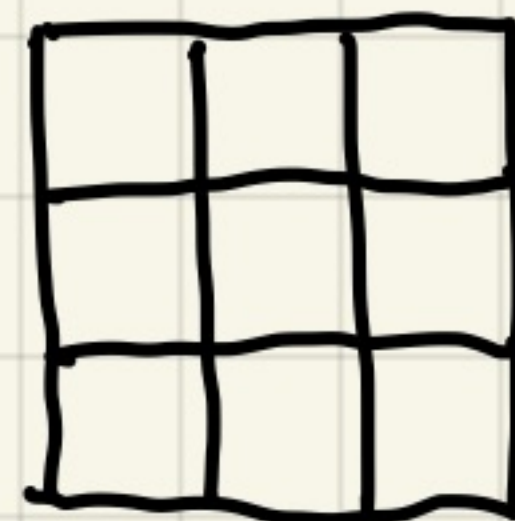


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# 線形代数 演習-II

by 廣学・西谷

・ 行列  $a_{32}$   
matrix



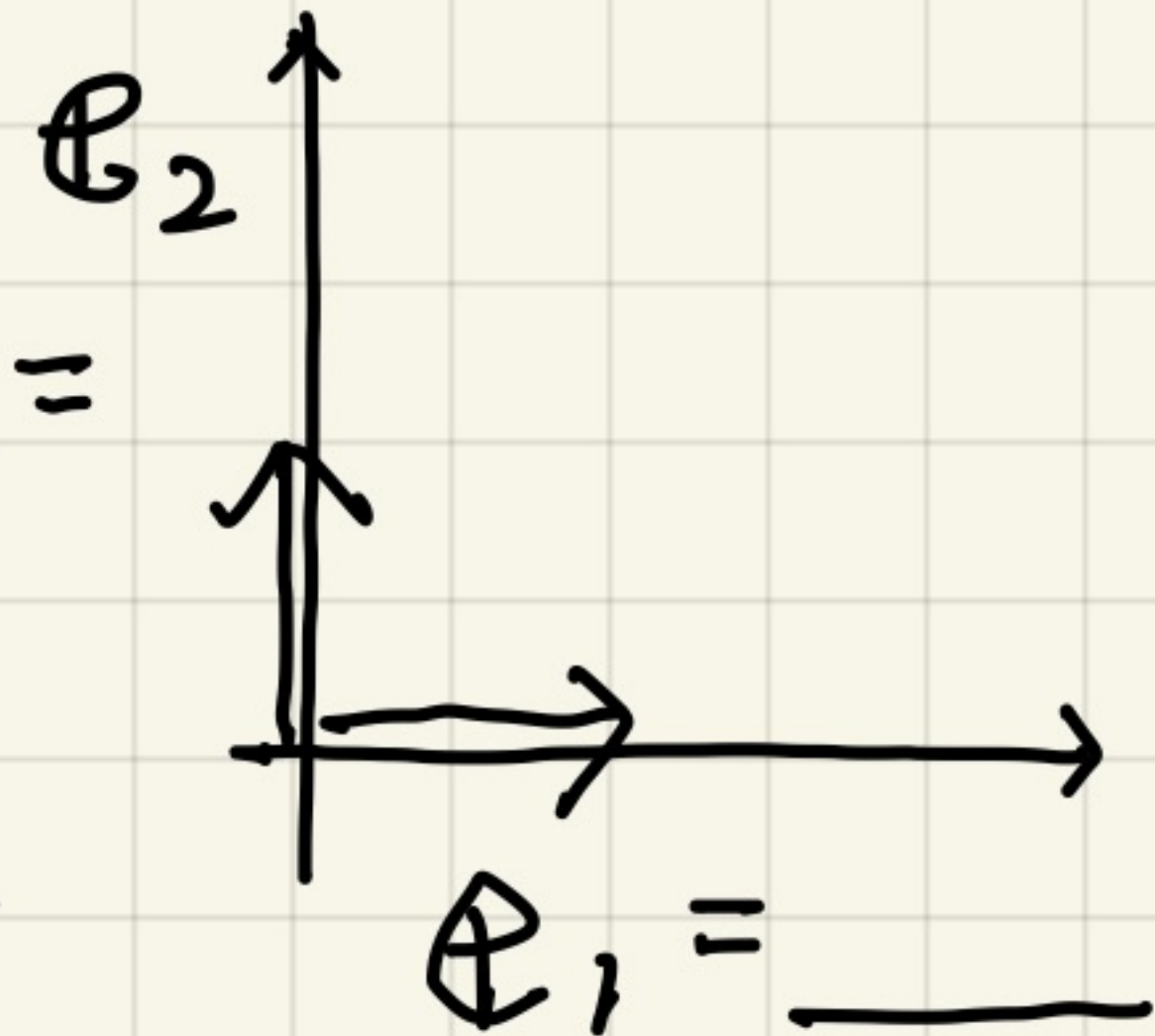
・ 行列の積  $\begin{pmatrix} 3 & 2 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} 3 & 2 \\ 1 & 2 \end{pmatrix} = \begin{pmatrix} & \\ & \end{pmatrix} = \begin{pmatrix} & \\ & \end{pmatrix}$

・ 行列とベクトルの積

vector

$$\begin{pmatrix} 3 & 2 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} 1 \\ 0 \end{pmatrix} = \underline{\hspace{2cm}}$$

$$\begin{pmatrix} 3 & 2 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} 0 \\ 1 \end{pmatrix} = \underline{\hspace{2cm}}$$



determinant

・ 行列式  $|A|, \det A$

$$(1 \ 0) \begin{pmatrix} 3 & 2 \\ 1 & 2 \end{pmatrix} = \underline{\hspace{2cm}}$$

$$\begin{vmatrix} 3 & 2 \\ 1 & 2 \end{vmatrix} = \underline{\hspace{2cm}}$$

