

我的第一篇论文

周方全

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$$\begin{matrix} 0 & 1 \\ 1 & 0 \end{matrix} \qquad \begin{pmatrix} 0 & -1 \\ i & 0 \end{pmatrix} \qquad \begin{bmatrix} 0 & -1 \\ i & 0 \end{bmatrix} \qquad \left\{ \begin{matrix} 0 & -1 \\ i & 0 \end{matrix} \right\} \qquad \left| \begin{matrix} 0 & -1 \\ i & 0 \end{matrix} \right| \qquad \left\| \begin{matrix} 0 & -1 \\ i & 0 \end{matrix} \right\|$$

$$A = \begin{pmatrix} a_{11}^2 & a_{12}^3 & a_{13}^{12} \\ 0 & a_{22} & a_{23} \\ 0 & 0 & a^{123} \end{pmatrix}$$

$$A = \begin{bmatrix} a_{11} & \cdots & a_{1n} \\ & \ddots & \vdots \\ 0 & & a_{nn} \end{bmatrix}_{n \times n}$$

$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & \\ 0 & 1 & 0 \\ & 0 & -1 \end{pmatrix}$$

$$\begin{pmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ & a_{22} & \cdots & a_{2n} \\ & & \ddots & \vdots \\ 0 & & & a_{nn} \end{pmatrix}$$

$$\left\{ \begin{matrix} a_{11} & \cdots & a_{1n} \\ & \ddots & \vdots \\ & & a_{nn} \end{matrix} \right\}$$

$$\begin{pmatrix} 1 & \frac{1}{2} & \dots & \frac{1}{n} \\ \vdots & \vdots & \ddots & \vdots \\ m & \frac{m}{2} & \dots & \frac{m}{n} \end{pmatrix}$$

复数 $z = (x, y)$ 也可用矩阵 $\begin{pmatrix} x & -y \\ y & x \end{pmatrix}$ 来表示

$$\begin{array}{c|c} \frac{1}{2} & 0 \\ \hline 0 & -\frac{a}{bc} \end{array}$$

$$\left(\begin{array}{ccc|ccc} a & \cdots & a & b & \cdots & b \\ & & \vdots & \vdots & & \vdots \\ & & a & b & & \\ \hline & & 0 & c & \cdots & c \\ & & & \vdots & & \vdots \\ & & & c & \cdots & c \end{array} \right) \left. \begin{array}{l} \\ \\ \\ \end{array} \right\} q$$

$$\left. \begin{array}{l} \\ \\ \end{array} \right\} p$$

$$\underbrace{\hspace{10em}}_m \quad \underbrace{\hspace{10em}}_m$$