Matrices, sistemas de ecuaciones y funciones a trozos

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Matrices

- Sin paréntesis: `$$\begin{matrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{matrix}$$`

$$\begin{matrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{matrix}$$

- Con paréntesis: `$$\begin{pmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{pmatrix}$$`

$$\begin{pmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{pmatrix}$$

- Con corchete: `$$\begin{bmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{bmatrix}$$`

$$\begin{bmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{bmatrix}$$

- Con barra vertical: `$$\begin{vmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{vmatrix}$$`

$$\begin{vmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{vmatrix}$$

- Con llaves: `$$\begin{Bmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{Bmatrix}$$`

$$\begin{Bmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{Bmatrix}$$

- Norma: `$$\begin{Vmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{Vmatrix}$$`

$$\begin{Vmatrix} a_{11} & a_{12} & a_{13}\\ a_{21} & a_{22} & a_{23} \end{Vmatrix}$$

Sistemas de ecuaciones

`\begin{array}{l}\end{array}` nos produce una tabla alineada a la izquierda, con `{r}` alínea a la derecha.
`$$\left. \begin{array}{l} ax+by=c\\ ex-fy=g \end{array} \right\} $$`

$$\left. \begin{array}{l} ax+by=c\\ ex-fy=g \end{array} \right\} $$

Funciones a trozos

Se usarán dos columnas separadas por &

- Izquierda-derecha: `$$|x|=\left\{ \begin{array}{lr} -x & \text{si }x\le 0\\ x & \text{si }x\ge 0 \end{array} \right. $$`

$$|x| = \left\{ \begin{array}{lr} -x & \text{si } x \leq 0 \\ x & \text{si } x \geq 0 \end{array} \right.$$

- Derecha-derecha: `$$|x|=\left\{ \begin{array}{rr} -x & \text{si }x\le 0\\ x & \text{si }x\ge 0 \end{array} \right. $$`

$$|x| = \left\{ \begin{array}{rr} -x & \text{si } x \leq 0 \\ x & \text{si } x \geq 0 \end{array} \right.$$