Paquete amsmath

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1 Entorno de ecuaciones

1.1 Entorno equation

\begin{equation}
 m \frac{d^{2} x}{d t^{2}} = - k x
\end{equation}

$$m\frac{d^2x}{dt^2} = -kx\tag{1}$$

1.2 Entorno equation*

\begin{equation*}
 m \frac{d^{2} x}{d t^{2}} = - k x
\end{equation*}

$$m\frac{d^2x}{dt^2} = -kx$$

1.3 Entorno align

$$(a+b)^{2} = (a+b)(a+b)$$

$$= a^{2} + ab + ba + b^{2}$$

$$= a^{2} + 2ab + b^{2}$$
(2)

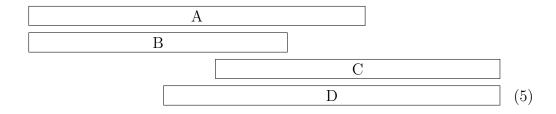
1.4 Entorno gather

$$a^2 + b^2 = c^2 (3)$$

$$\sin^2(\theta) + \cos^2(\theta) = 1 \tag{4}$$

1.5 Entorno multiline

\begin{multline}
\framebox[0.65\columnwidth]{A} \\
\shoveleft{\framebox[0.50\columnwidth]{B}} \\
\shoveright{\framebox[0.55\columnwidth]{C}} \\
\framebox[0.65\columnwidth]{D}
\end{multline}



1.6 Entorno split

$$H_{c} = \frac{1}{2n} \sum_{l=0}^{n} (-1)^{l} (n-l)^{p} \sum_{l_{1}+\dots+l_{p}=l} \prod_{i=1}^{p} \binom{n_{i}}{l_{i}}$$

$$\cdot \left[(n-l) - (n_{i}-l_{i}) \right]^{n_{i}-l_{i}} \cdot \left[(n-l)^{2} - \sum_{j=1}^{p} (n_{i}-l_{i})^{2} \right]$$
(6)