Collection of Math Macros

Number Sets

Command	Output
`\reals`	$\mathbb{R}$
`\integers`	$\mathbb{Z}$
`\naturals`	$\mathbb{N}$
`\rationals`	$\mathbb{Q}$
`\complex`	$\mathbb{C}$

The Rest

Will organize later

Command	Output
`\vare`	ε
`\set{x}`	$\{x\}$
`\card{A}`	$|A|$
`\floor{x}`	$\lfloor x \rfloor$
`\ceil{x}`	$\lceil x \rceil$
`\ang{x}`	$\langle x \rangle$
`\bracket{x}`	$[x]$
`\curly{x}`	$\{x\}$
`\paren{x}`	(x)
`\prob{A}`	$\Pr[A]$
`\exp{X}`	$\mathbb{E}[X]$
`\expsq{X}`	$\mathbb{E}^2[X]$
`\var{X}`	$\mathrm{Var}[X]$
`\pmod{n}`	$(\mathrm{mod}\ n)$
`\percent{x}`	$x\%$
`\real{x}`	$\Re(x)$
`\comp{x}`	$\Im(x)$
`\deriv{f}{x}`	$\frac{df}{dx}$
`\limi{n}`	$\lim_{n \to \infty}$
`\limit{x}{a}`	$\lim_{x \to a}$

Command	Output
`\vec{v}`	$\mathbf{v}$
`\veca{a}`	$\begin{bmatrix} a \end{bmatrix}$
`\trace{A}`	$\mathrm{Tr}\left(A\right)$
`\cov{X}`	$\mathrm{Cov}\left(X\right)$