

Examples of how to use `shortex.sty`

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Updated July 10, 2021

1 Brackets and bracket-like functions

You can specify a bracket size using $-1, \dots, 4$, where -1 uses `\left` and `\right`, 0 uses nothing, and positive numbers use increasingly large fixed sizes. The default behavior is 0 when in text mode and -1 when in display mode.

- Regular brackets: `\rbra{\frac{x}{y}}`
 - Inline: $(\frac{x}{y})$
 - Display: $\left(\frac{x}{y}\right)$
- Curly brackets: `\cbra[2]{\frac{x}{y}}`
 - Inline: $\left\{\frac{x}{y}\right\}$
 - Display: $\left\{\frac{x}{y}\right\}$
- Square brackets: `\sbra[4]{\frac{x}{y}}`
 - Inline: $\left[\frac{x}{y}\right]$
 - Display: $\left[\frac{x}{y}\right]$

Other bracket-like, semantic commands are also available, including `\abs`, `\set`, `\floor`, `\ceil`, `\norm`, `\inner`, and `\card`.

2 annotation commands

<code>\barA</code>	\bar{A}
<code>\bara</code>	\bar{a}
<code>\bA</code>	\bar{A}
<code>\bB</code>	\bar{B}
<code>\balpha</code>	$\bar{\alpha}$
<code>\bGamma</code>	$\bar{\Gamma}$
<code>\mcA</code>	\mathcal{A}
<code>\hmcA</code>	$\hat{\mathcal{A}}$
<code>\mfA</code>	\mathfrak{A}
<code>\mfa</code>	\mathfrak{a}
<code>\bmfA</code>	\mathfrak{A}
<code>\bmfa</code>	\mathfrak{a}
<code>\hA</code>	\hat{A}
<code>\ha</code>	\hat{a}
<code>\halpha</code>	$\hat{\alpha}$
<code>\hGamma</code>	$\hat{\Gamma}$
<code>\bhA</code>	$\hat{\mathbf{A}}$
<code>\bha</code>	$\hat{\mathbf{a}}$
<code>\bhalpha</code>	$\hat{\alpha}$
<code>\bhGamma</code>	$\hat{\Gamma}$
<code>\whA</code>	\widehat{A}
<code>\wha</code>	\widehat{a}
<code>\tdA</code>	\tilde{A}
<code>\tda</code>	\tilde{a}
<code>\tdalpha</code>	$\tilde{\alpha}$
<code>\tdGamma</code>	$\tilde{\Gamma}$
<code>\btdA</code>	$\tilde{\mathbf{A}}$
<code>\btda</code>	$\tilde{\mathbf{a}}$
<code>\btdalpha</code>	$\tilde{\alpha}$
<code>\btdGamma</code>	$\tilde{\Gamma}$
<code>\biA</code>	\mathbf{A}
<code>\bia</code>	\mathbf{a}
<code>\bhiA</code>	$\hat{\mathbf{A}}$
<code>\bhia</code>	$\hat{\mathbf{a}}$