

realhats v7.1

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








`realhats` is a package for L^AT_EX that makes the `\hat` command put real hats on symbols. For example, the input `\hat{a}=\hat{b}` will produce the output:

$$\hat{a} = \hat{b}$$



















To make a vector with a hat, the input `\hat{\mathbf{a}}` produces:



The command `\hat` will choose a hat randomly from eighteen hats:

 <code>\hat{a}</code>	beret	 <code>\hat{a}</code>	Santa hat
 <code>\hat{a}</code>	sombrero	 <code>\hat{a}</code>	witch's hat
 <code>\hat{a}</code>	top hat	 <code>\hat{a}</code>	Ash's hat
 <code>\hat{a}</code>	fez	 <code>\hat{a}</code>	cowboy hat
 <code>\hat{a}</code>	crown	 <code>\hat{a}</code>	dunce's cap
 <code>\hat{a}</code>	policeman's hat	 <code>\hat{a}</code>	Scottish hat
 <code>\hat{a}</code>	birthday hat	 <code>\hat{a}</code>	mortarboard
 <code>\hat{a}</code>	aperiodic tile (white)	 <code>\hat{a}</code>	aperiodic tile (gray)
 <code>\hat{a}</code>	aperiodic tile (light blue)	 <code>\hat{a}</code>	aperiodic tile (blue)

Variables can be given a non-random hat, using the command `\hat` with an optional parameter:

command	produces	command	produces
<code>\hat[beret]{a}</code>	 <code>\hat{a}</code>	<code>\hat[santa]{a}</code>	 <code>\hat{a}</code>
<code>\hat[sombrero]{a}</code>	 <code>\hat{a}</code>	<code>\hat[witch]{a}</code>	 <code>\hat{a}</code>
<code>\hat[tophat]{a}</code>	 <code>\hat{a}</code>	<code>\hat[ash]{a}</code>	 <code>\hat{a}</code>
<code>\hat[fez]{a}</code>	 <code>\hat{a}</code>	<code>\hat[cowboy]{a}</code>	 <code>\hat{a}</code>
<code>\hat[crown]{a}</code>	 <code>\hat{a}</code>	<code>\hat[dunce]{a}</code>	 <code>\hat{a}</code>
<code>\hat[policeman]{a}</code>	 <code>\hat{a}</code>	<code>\hat[scottish]{a}</code>	 <code>\hat{a}</code>
<code>\hat[birthday]{a}</code>	 <code>\hat{a}</code>	<code>\hat[mortarboard]{a}</code>	 <code>\hat{a}</code>
<code>\hat[tile-white]{a}</code>	 <code>\hat{a}</code>	<code>\hat[tile-gray]{a}</code>	 <code>\hat{a}</code>
<code>\hat[tile-light-blue]{a}</code>	 <code>\hat{a}</code>	<code>\hat[tile-blue]{a}</code>	 <code>\hat{a}</code>

You can also pass these same options when loading the package. For example, `\usepackage[cowboy]{realhats}` will cause the package to use cowboy hats everywhere (unless a different hat is given to the `\hat` command).