

realhats v3.0

Matthew W. Scroggs & Adam K. Townsend

April 14, 2019

`realhats` is a package for \LaTeX 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:

$$\hat{\mathbf{a}}$$

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

- \hat{a} - A beret
- \hat{a} - A Santa hat
- \hat{a} - A Scottish hat
- \hat{a} - A sombrero
- \hat{a} - A wizard's hat
- \hat{a} - A top hat
- \hat{a} - A make \LaTeX great again hat
- \hat{a} - A fez
- \hat{a} - A cowboy hat
- \hat{a} - A crown

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

- `\hat[beret]{a}` produces \hat{a}
- `\hat[santa]{a}` produces \hat{a}
- `\hat[scottish]{a}` produces \hat{a}
- `\hat[sombrero]{a}` produces \hat{a}

- `\hat[wizard]{a}` produces \hat{a}
- `\hat[tophat]{a}` produces \hat{a}
- `\hat[mlga]{a}` produces \hat{a}
- `\hat[fez]{a}` produces \hat{a}
- `\hat[cowboy]{a}` produces \hat{a}
- `\hat[crown]{a}` produces \hat{a}

You can also pass these same options when loading the package. For example, `\usepackage[mlga]{realhats}` will cause the package to use make L^AT_EX great again hats everywhere (unless an different hat is given to the `\hat` command).