

Oz\TeX Documentation

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What is Oz\TeX?

The eponymous Oz\TeX is a \TeX package of miscellaneous commands, preformatting, and default package inclusions. Rather than append these definitions at the top of all my \LaTeX files, I decided to factor them out as a package.

This document will serve as documentation, both in the form of examples and rationale, of this package. It also serves as a sort of unit test because, if it compiles, the package probably works.

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0 Preformatting

0.1 Margins

Via the `geometry` package, `Oz\forall n\in\mathbb{R}`TeX changes the default margin size to 1.5in. For reference, the article document class uses a margin size of 1.875in.

0.2 Title starting height

Using the `titling` package, set the starting height of the title back by 7em.

0.3 Hyper-reference styling

Instead of colored boxes, hyper-references use colored text instead:

- Internal link: [blue](#)
- File link: [magenta](#)
- URL: [cyan](#)

1 Base packages

The `Oz\forall n\in\mathbb{R}`TeX package includes several `\usepackage` declarations. These are packages that I use commonly enough to simply include in every document. These packages are, in order of inclusion, listed below:

- `fontenc`: properly renders certain special characters in text-mode.
- `geometry`: used to adjust the document margins.
- `titling`: used to push back the title starting height.
- `hyperref`: adds commands for hyper-referencing, and adds hyper-references to the table of contents.
- `amssymb`: Adds many useful mathematical symbols (e.g. blackboard bold letters (\mathbb{R}), arrows (\curvearrowright), inequalities (\nless), etc.).
- `amsmath`: A general math package that adds many misc. features including: equation alignment, matrix environments, fraction variants, extensible arrows, creating operators, and substacks.

2 Textual Commands

2.1 `\Oz\forall n\in\mathbb{R}` & `\Oz\forall n\in\mathbb{R}`bf

`\Oz\forall n\in\mathbb{R}`{ } \longrightarrow `Oz\forall n\in\mathbb{R}`
`\Oz\forall n\in\mathbb{R}`bf{ } \longrightarrow `Oz\forall n\in\mathbb{R}`

The stylized version of my name I use in various places, including this package. The bolded version (i.e. `\Oz\forall n\in\mathbb{R}`bf) is necessary as `\textbf` won't boldface embedded math symbols.

Note: to typeset $\forall n \in \mathbb{R}$ simply append `\TeX` to the command, i.e. `\Ozaner\TeX{}`.