

KWARC Blue Notes*

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Abstract

This package provides a tailored document class for KWARC blue notes, a special document for fixing and discussing ϵ -baked ideas.

Contents

*Version ? (last revised ?)

1 Introduction

Inspired by the “blue book” in Alan Bundy’s group at the University of Edinburgh, KWARC blue notes are documents used for fixing and discussing ϵ -baked ideas in projects by the KWARC group (see <http://kwarc.info>). Unless specified otherwise, they are for project-internal discussions only.

The `bluenote` class is a specialization of the `article` class with decorations to make the status of being a blue note clear.

The development version of the `bluenote` class can be found at <https://github.com/KWARC/LaTeX-bluenote>

2 The User Interface

The `bluenote` class is almost automatic for KWARC, for other projects, we have to

2.1 Customizing for other Projects/Groups

The `bluenote` class uses internal macros for the KWARC project name and the KWARC URI, they can be redefined by `\blueProject` and `\blueURI`, e.g. by putting

```
\blueProject{Foo}
\blueURI{http://bar.org/~bar}
```

`\blueProject`
`\blueURI`

into the document preamble. If the project does not have a URI, this can be specified by the `\nobblueURI` macro.

`\nobblueURI`

2.2 Package Options

The `bluenote` class accepts all the options that the `article` class does.

3 The Implementation

The implementation is rather standard. We first set up the options for the package.

3.1 Package Options

We just pass the options to `article.cls`

```
1 <*cls>
2 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
3 \ProcessOptions
```

The next step is to load the packages we want and configure them.

```
4 \LoadClass{article}
5 \RequirePackage{a4wide}
6 \RequirePackage{url}
7 \RequirePackage{xspace}
8 \RequirePackage{paralist}
9 \RequirePackage{draftwatermark}
10 \SetWatermarkScale{8}
11 \SetWatermarkAngle{50}
12 \SetWatermarkText{Blue Note}
13 \SetWatermarkFontSize{3cm}
14 \SetWatermarkLightness{.8}
```

This ends the package setup code, so we can come to the implementation of the functionality of the package.

3.2 Customization

`\blueProject`

```
15 \newcommand\blueProject[1]{\def\blue@project{#1}}
16 \blueProject{KWARC}
```

`\nobblueURI`

```
17 \newif\ifblueURI\blueURItrue
18 \newcommand\nobblueURI{\blueURIfalse}
```

`\blueURI`

```
19 \newcommand\blueURI{\urldef\blue@URI\url}
20 \blueURI{http://kwarc.info}
```

3.3 Title Page

`\title` We start with the configuration part, predefining `\epdnoteshape` to be sans serif.

```
21 \def\title#1{\gdef\@title{--- {\blue@project} Blue Note\thanks{Inspired by the ‘‘blue book’’
22     in Alan Bundy’s group at the University of Edinburgh, {\blue@project} blue notes,
23     are documents used for fixing and discussing  $\epsilon$ -baked ideas in projects by
24     the {\blue@project} group\ifblueURI\ (see \blue@URI)\fi. Unless specified otherwise, they are for
25     project-internal discussions only. Please only distribute outside the
26     {\blue@project} group after consultation with the author.}\quad ---\ \ #1}}
27 </cls>
```