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Institut Mines-Télécom Atlantique - **L^AT_EX**report template

Documentation for the `imta` package



IMT Atlantique

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1 Sectioning

1.1 `imtaQuestion` and `imtaQuestionReset`

The `\imtaQuestion` command outputs and formats a question counter. It's meant to be used in reports for assignment with questions. The counter should be reset with the `\imtaQuestionReset`. This couple of commands is meant to be used for sectioning when the assignment does not use a more explicit titling.

1.2 `subsubsection`

The `imta_core` package offers a one-level-deeper section than the usual deepest `\subsubsection`. This provides an alternative to the usual `\paragraph`.

1.3 `chapter`

2 Document styling

2.1 IMT Atlantique styling

2.1.1 Colors

The core package defines four colors, including the three colors of the IMT Atlantique, and a uniform and arbitrary gray. These are defined as follows :

```
1 \definecolor{imtaGreen}{RGB}{164, 210, 51}
2 \definecolor{imtaLightBlue}{RGB}{0, 184, 222}
3 \definecolor{imtaDarkBlue}{RGB}{12, 35, 64}
4 \definecolor{imtaGray}{RGB}{87, 87, 87}
```

Here are samples of these colors, with text in both black and white for previsualising the contrast.



FIGURE 1 – Samples of the IMT Atlantique colors

2.1.2 `imtaSetIMTStyle`

The official IMT Atlantique styling is not really \LaTeX -ish, and takes the decision to use a sans-serif font for body text. Therefore, the default style uses the default \LaTeX font settings. However, it is possible to enable a more IMT Atlantique-compliant styling, by calling the `\imtaSetIMTStyle` command in the preamble.

The main aspects of the official style are :

- Use of the Helvetica font for the body ;
- Section titles in green (`\imtaGreen`) and other heading titles in gray (`\imtaGray`) ;
- Section title in the header ;
- Page number at the right corner of the footer.

For comparison, the default style of the template is :

- Use of the default Computer Modern font for the body ;
- Default style for headings : all in black ;
- Document title at the left corner and author's name at the right corner of the header ;
- Page number at the center of the footer.

2.1.3 The IMT Atlantique logo with `imtaLogo` and `imtaLogoTikz`

The IMT Atlantique logo can be output at the desired width with the `\imtaLogo` command. The latter includes an external pdf document, `imta_logo.pdf`, that contains the official logo. On the other hand, the `\imtaLogoTikz` draws an approximation of the logo with the `tikz` package. The following is a comparison of both commands.



FIGURE 2 – Comparison between `imtaLogo` and `imtaLogoTikz`

2.1.4 `imtaMaketitlepage`

This command outputs a title page with the names of the authors, the date of writing, and the title of the document, along with the subtitle. For this latter purpose, the `\subtitle` command helps define a subtitle as a part of the document's metadata, and is used inside of the `\imtaMaketitlepage` command.

2.1.5 `imtaMakeCover`

This command outputs a cover as the last page of the document. This page will always be a left page in a two-side document.

3 External dependencies

This package depends upon a number of external packages. The use of these is explained hereafter, and the parameters each is used with are specified as well. Furthermore, a code snippet is presented, that shows the import line and the settings of the corresponding package.

3.1 `geometry`

The `geometry` package provides ways to act on the document's format. This package defines a A4 format, with two-centimeter margins, and a top margin of an extra centimeter for the header.

```
1 \RequirePackage[a4paper, margin=2cm, top=3cm]{geometry}
```

3.2 graphicx

The `graphicx` package lets input graphics and pictures into the document.

```
1 \RequirePackage{graphicx}
```

3.3 fontenc

The `fontenc` package declares an encoding for the output font. The `imta_core` package uses a latin font whose encoding is `T1`.

```
1 \RequirePackage[T1]{fontenc}
```

3.4 hyperref

```
1 \RequirePackage[hidelinks]{hyperref}
```

3.5 inputenc

```
1 \RequirePackage[utf8]{inputenc}
```

3.6 fancyhdr

```
1 \RequirePackage{fancyhdr}
```

3.7 tikz

```
1 \RequirePackage{tikz}
```

3.8 titlesec

```
1 \RequirePackage{titlesec}
```

3.9 titling

```
1 \RequirePackage{titling}
```

3.10 sectsty

```
1 \RequirePackage{sectsty}
```

3.11 etoolbox

```
1 \RequirePackage{etoolbox}
```

3.12 hyphenat

```
1 \RequirePackage[none]{hyphenat}
```

3.13 footmisc

```
1 \RequirePackage[bottom]{footmisc}
```