

L^AT_EX quick reference 2.0 (French extensions)

Ugo Sparks

3 avril 2018



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Purpose. This document is an complement to L^AT_EX quick reference 2.0. It focuses on French packages and functionalities.

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1 Commands

1.1 Document structure

```
\documentclass[options]{class}
```

Common *classes*

article	articles without chapters
article (French)	\documentclass[french]{article}
letter	letter
letter_French	\documentclass[french]{letter}
moderncv	resume
moderncv_French	\documentclass[french]{moderncv}
...	...

Consult :

- <https://www.ctan.org/topic/french>
- <https://www.ctan.org/pkg/francais-bst>

Preamble

```
\usepackage[francais]{babel} or \usepackage[frenchb]{babel} and  
\usepackage[T1]{fontenc} with  
\usepackage[utf8]{inputenc}
```

1.2 Page format

1.3 Chapters and Sections

1.4 Embed PDF

1.5 X_YL^AT_EX, LuaL^AT_EX

1.6 Fonts

1.7 Reserved characters

1.8 Special characters

Symbol	Command
M ^{me} Calier	M\up{me} Calier
D ^r Caux	D\up{r} Caux
N ^o 1, N ^o 2	\No 1, \No 2
1 ^{er}	1\ier{}
1 ^{re}	\iere{}
2 ^e	2\ieme{}
1 ^o	\primo
2 ^o	\secundo
3 ^o	\tertio
2 ^o	\secundo
« »	\og{} \fg{}
45 ^o	45\degres
5 ^o	\FrenchEnumerate{5}
N ^o , n ^o	\No, \no
N ^{os} , n ^{os}	\Nos, \nos

750\euro{ } gives 750€ and \EUR{750} gives 750 €.

\frquote{D'accord!} gives « D'accord! » between « guillemets » or French quotes.

1. - is a « tiret » : -
2. -- is an « incise, une précision dans le texte ou pour les dialogues » : –
3. --- is a « tiret cadratin, pour le théâtre » : —.

1.9 Accented characters

1.10 Special spaces

1.11 Special phrases

1.12 Line and page breaks

1.13 References, citations, footnotes

1.14 Hyperlinks

1.15 Lines

1.16 Index

An example in French :

Une douzaine de crêpes. L'histoire de l'intégration. demi-plan.

```
Une douzaine de crêpes\index{crepes@crêpes} \\
L'histoire de l'intégration\index{integration@intégration}
\index{integration@intégration!théorie de l'intégration} \\

Demi-plan\index{Demi-plan}
```

Poincaré Poincaré demi-plan de Poincaré Poincaré Poincaré Poincaré

```
Poincaré\index{poincare@Poincaré} \\
Poincaré\index{poincare@Poincaré!demi-plan de} \\
demi-plan de Poincaré
\index{Demi-plan!de Poincaré|see{Poincaré}} \\

Poincaré\index{poincare@Poincaré|textbf} \\
Poincaré\index{poincare@Poincaré|{}} \\
Poincaré\index{poincare@Poincaré|)}
```

`\printindex` on the next page.

Index

crêpes, 5

Demi-plan, 5

de Poincaré, *voir* Poincaré

intégration, 5

théorie de l'intégration, 5

Poincaré, 5, 5

demi-plan de, 5

2 Environments

2.1 Text alignment

2.2 Boxes

2.3 Block quotes

2.4 Verse

2.5 Verbatim (for source codes, programming languages, and technical notes)

2.6 Lists

2.7 Tables (tabular)

2.8 Figures and Tables

2.9 Minipages

3 Math

3.1 Equation numbering

3.2 Sub/superscripts

3.3 Fractions and binomial coefficient

3.4 Math fonts

3.5 Functions

3.6 Accents and over/under commands

3.7 Greek

3.8 Hebrew

3.9 Symbols

3.10 Brackets and delimiters

3.11 Matrices

3.12 Theorems

3.13 TikZ and more

4 Bibliography using BibTeX

4.1 Enabling BibTeX

4.2 Bibliography formats

4.3 Citation formats and natbib

4.4 BibTeX database

4.5 Manually formatted bibliographies

Manual bibliography example :

Références

- [1] HAUCHECORNE, Bertrand, *Les contre-exemples en mathématiques*, Ellipse, 1988.
- [2] BURK, Franck, *Lebesgue measure and integration*, Wiley-Interscience, 1998.
- [B99] BURKIN, Franck, *Lebesgue measure and integration, 2nd edition*, Wiley-Interscience, 1999.

Citation example 1 with `...dans~\cite{burk}...` :

Vous trouverez dans [2] une histoire en images de la théorie de l'intégration.

Citation example 2 with `dans~\cite[premier chapitre]{burkin}` :

Vous trouverez dans [B99, premier chapitre] une histoire en images de la théorie de l'intégration.