

# Instructions to authors for GRETSI

## L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> format

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**Résumé** – Les auteurs publiant au GRETSI et utilisant le traitement de texte L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> trouveront ci-dessous quelques indications destinées à leur faciliter la tâche. Le fichier `gretsien.tex` qui contient le présent document respecte les contraintes fixées ; recopiez le, par exemple sous le nom `monarticle.tex`, et placez votre texte aux endroits appropriés.

**Abstract** – GRETSI authors who are L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> users will find above some informations to help them. The file `gretsien.tex` which contains this document obeys the rules; copy it, with the name `mypaper.tex` for instance, and put your text in appropriate fields.

## 1 Document format

### 1.1 `grets` class

Your paper should not exceed 4 pages, including tables and figures. It should consist of 2 columns each measuring 88mm wide, with a gap of 6mm between the columns. We advise you to use the `grets.cls` L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> class file to perform automatic page setting :

```
\documentclass{grets}
```

In your file preamble, you have to enter the following informations :

- paper title :  
`\title{Paper title}`
- Christian and first names of each author, with a number linking to its address :  
`\author{\coord{Pierre}{Dupont}{1},`  
`\coord{John}{Smith}{2}}`
- authors' addresses :  
`\adresse{\affil{1}{Laboratory \\\`  
`street, town, country}`  
`\affil{2}{University \\\`  
`street, town, country}`
- e-mail addresses :  
`\email{First.Name@labo.fr, smith@univ.fr}`
- french and english written abstracts :<sup>1</sup>  
`\frenchabstract{R\'esum\'e fran\c{c}ais}`  
`\englishabstract{English written abstract}`

- then, your text, and the bibliography :  
`\begin{document}`  
`\maketitle`  
Paper text  
`\begin{thebibliography}{99}`  
The references  
`\end{thebibliography}`  
`\end{document}`

### 1.2 Section and subsection

This example file uses `\section` and `\subsection`. For lower level sectioning commands, you obtain :

#### 1.2.1 Subsubsection

By means of `\subsubsection`.

**Subsubsubsection** By means of `\paragraph`.

## 2 Tables, figures and mathematics

The title of tables should appear at the top, as in table 1.

Captions should appear below graphical objects, as in figure

Including Postscript graphics files is easily performed by means of `graphics`, `graphicx` or `epsfig` packages. To insert `fig.eps` file, with automatic width adjustment, using `graphics` package, you have to enter :

<sup>1</sup>French written abstract is optional, but highly recommended.

TAB. 1 – 2 to the power

$n$	1	2	3	4	5	6	7	8
$2^n$	2	4	8	16	32	64	128	256

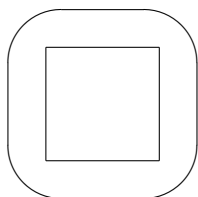


FIG. 1 – a square in an oval

```
\begin{figure}[htb]
\begin{center}
\resizebox{88mm}{!}{
\includegraphics{fig.eps}}
\end{center}
\legende{title}
\end{figure}
```

With `graphicx` package, you have to enter :

```
\begin{figure}[htb]
\begin{center}
\includegraphics[width=88mm]{fig.eps}
\end{center}
\legende{title}
\end{figure}
```

With `epsfig`, you have to enter :

```
\begin{figure}[htb]
\begin{center}
\epsfig{file=fig.eps,width=88mm}
\end{center}
\legende{title}
\end{figure}
```

Mathematical formulas appearance can be improved by means of `amsmath` package from  $\mathcal{AMS}$ - $\mathcal{L}^{\mathcal{T}}\mathcal{E}\mathcal{X}$ . They have to be numbered as formula 1 :

$$F(x) = \int_{-\infty}^x f(u) du \quad (1)$$

## Références

- [1] M. Goossens, F Mittelbach et A. Samarin. *The  $\mathcal{E}\mathcal{T}_{\mathcal{E}}\mathcal{X}$  Companion*. Addison-Wesley, 1994.
- [2] L. Lamport.  *$\mathcal{E}\mathcal{T}_{\mathcal{E}}\mathcal{X}$  User's Guide and Reference Manual*. Addison-Wesley, 1994.