

# L<sup>A</sup>T<sub>E</sub>X & Friends

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Meu esforço nunca deve ser o de diminuir a fé do outro  
Mas torná-lo um melhor seguidor de sua própria fé.  
*Mahatma Gandhi*

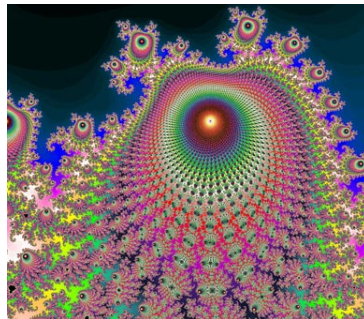
Idéias e o Cúmulo de Fertilidade

*Ole*



# L<sup>A</sup>T<sub>E</sub>X & Friends

- ▶ SL Clássico
- ▶ Scientific Documents & Typesetting
- ▶ Markup Language
- ▶ Ruindows: MikTeX
- ▶ WYSIWYG: LyX
- ▶ Editors: Kile, TexMaker, ...  
Emacs - ggggggggggg!
- ▶ Versão 3.141592
- ▶ Beamer for Presentations



# Some Features

- ▶ ABNT
- ▶ Formulas
- ▶ (sub(sub))section (chapter)
- ▶ Numbering: Formulas, Sections, Theorems
- ▶ Reference to Number & Page
- ▶ Automatic Contents
- ▶ Automatic List of Tables
- ▶ Automatic List of Figures
- ▶ Automatic Index
- ▶ Presentations
- ▶ HyperRef
- ▶ Greasemonkey



# Document File

- ▶ Save Document: Doc.tex
- ▶ Run 'pdflatex', Produces Doc.pdf
- ▶ Publish Doc.pdf...
- ▶ `\documentclass: letter - report - article`
- ▶ PreAmble
- ▶ `\begin{document}`
- ▶ bla, bla, bla...
- ▶ `\end{document}`



# Basic Formatting

- ▶ `\textbf{blabla}` `\textit{blabla}` `\textsc{blabla}`  
`\texttt{blabla}`
- ▶ Font size: `\small`, `\smaller`, `\tiny`, `\Large`, `\LARGE`
- ▶ Environments: `\begin{center}` ... `\end{center}`  
flushright - flushleft
- ▶ enumerate - itemize  
`\begin{enumerate}`  
`\item first item...`  
`\end{enumerate}`
- ▶ tabular  
`\begin{tabular}{|cc|}`  
`\cell11 & cel12 \\`  
`\hline`  
`\cell21 & cell22 \\`  
`\end{tabular}`



# Structure Your Document

- ▶ `\input{Sections\Introduction}`  
`\input{Sections\Sec1}`  
`\input{Sections\Sec1.1}`  
`\input{Sections\Sec1.2}`  
`\input{Sections\Sec2}`  
`\input{Sections\Sec2.1}`  
`\input{Sections\Sec2.2}`
- ▶ `\section{Introduction}`  
`\input{Slide\Introduction}`  
`\section{Latex}`  
`%\input{Slide\Latex}`  
`%\section{BDs}`  
`\input{Slide\BDs}`  
`\section{GC}`  
`\input{Slide\GC}`



# PreAmble

▶ `\documentclass[18pt,handout]{beamer}`

`\usepackage[utf8x]{inputenc}`

`\usepackage[T1]{fontenc}`

`\usepackage[brazilian]{babel}`

`\usepackage{color}`

`\usepackage{beamerthemesplit}`

`\usepackage{hyperref}`

`\title{\LaTeX \& Friends}`

`\author{Ole Peter Smith, IME, UFG\\ ole@mat.ufg.br}`

`\date{EMSL '10\\15/10/2010/2010\\UFU, Uberlândia-MG}`

`\logo{\includegraphics[height=1cm]{ufg2.png}}`

`\begin{document}`





# Other Commands

- ▶ `\hspace{-2cm}`
- ▶ `\vspace{-0.25\linewidth}`
- ▶ `\` or empty line: newline
- ▶ `\newpage`

