BaKoMa TexWord

Most important applications of BaKoMa TeX Word

The WYSIWYG technology is useful in every case where visual control of the final result is required. Users with any LaTeX experience may find WYSIWYG LaTeX Editor useful.

For Beginners (Students)

Beginner users may consider TeXWord as a good tool both for writing papers and simultaneous learning of LaTeX. For example, a student can begin to write a thesis using the typesetting toolbar in the WYSIWYG window having virtually no any LaTeX skills at all. The program looks very similar to MS Word. However, students can gradually improve their knowledge of LaTeX by eventually looking in the "*Source Files*" as TeXWord creates a LaTeX document. In addition, instant formatting and error diagnostic simplify correction of markup mistakes.

For DTP Professionals

The WYSIWYG technology extremely reduces time spent for all prepress processes. This feature is noticed by many LaTeX copy-editors in the world.

For Experienced Authors (Scientists)

TeXWord dramatically simplifies editing of complex formulas and tables.
Editing slides in the WYSIWYG interface (with such packages as PowerDot, Prosper, Beamer, etc.) is another impressive feature of `BaKoMa TeX Word'.
Editing diagrams is also much faster. (with such packages as PSTricks, PGF/TIKZ, XyPic, etc.)

Cooperation with Colleagues

TeXWord is transparent for cooperation. TeXWord doesn't use additional macro packages. It uses only standard LaTeX packages, so that documents made up in TeXWord may be compiled in any LaTeX setup without adaptation. On the other hand, TeXWord can easily handle arbitrary LaTeX documents. So, your colleagues may even not know that you use powerful WYSIWYG tool to edit your part of the cooperative work.

About BaKoMa TeX Word

- *BaKoMa TeX Word* is True WYSIWYG LaTeX Editor.

  We use the word **True** to highlight two facts:It is **True WYSIWYG** Editor.
  It means that display shows precisely the same what will be printed on paper. It looks such that you edit your document immediately in DVI Viewer window.
- It is **True LaTeX** Editor.
  It edits LaTeX source text without any import/export procedure. It means that you can load and edit any LaTeX document.

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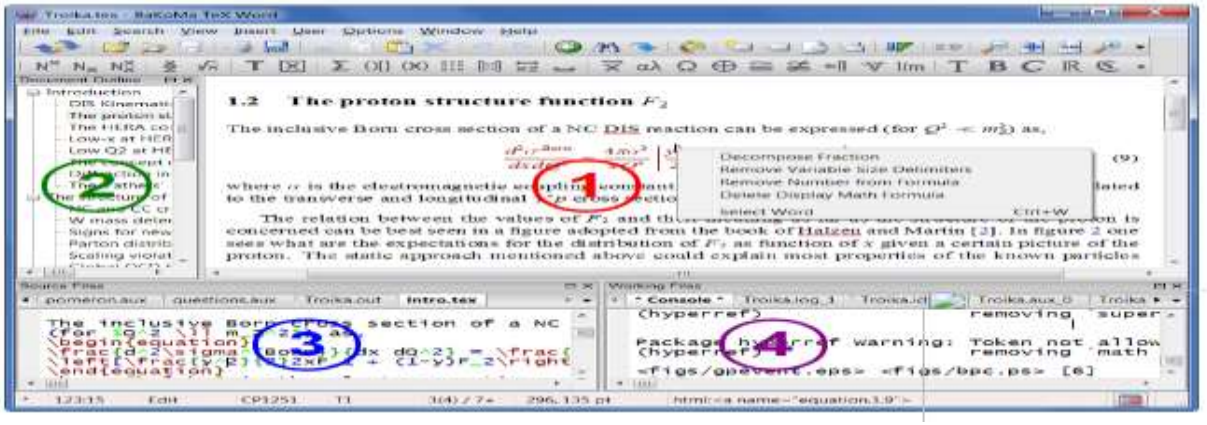
TeXWord Windows

BaKoMa TeX Word window is split into four subwindows as shown on screenshot at top right corner. These subwindows has special purposes as explained below:



1. **Page Window**

   Sometime it may be called as **WYSIWYG window** or **Proof window**.

   Users also call it as **Preview window**, **DVI window** and even **PDF window** (because it looks as DVI or PDF viewer).

   However, unlike to DVI/PDF Viewer, you can set caret inside this window and start insert or remove any text.

2.Document Outline Window

Outline Window shows document outline made up from table of contents by HyperRef package.

3. Source Files Window

All source file whose are read by TeX when document is processed. You can set caret inside this window and edit source directly.

4. Working Files Window

There are files whose are created by LaTeX at processing document. They are *.AUX, *.TOC, and other temporary files. Console output is also among these windows, as it is something generated at work of TeX.

See the video http://www.bakoma-tex.com/menu/images/true8.ogv

Subwindows may be easielly resized by dragging subwindow dividers by using mouse. Furthermore, subwindows (2), (3), and (4) may be easielly redocked (or undocked) by dragging title bars by using the mouse. Toolbars also may be undocked and redocked by dragging left ribon bar. See video: ***TeXWord docking windows and toolbars***

BaKoMa TeX Word - New File	https://youtu.be/BbW3SUFU-oA
TeXWord docking windows and toolbars	https://youtu.be/UYLCwRjYSkI
BaKoMa TeX Word - Simple math	https://youtu.be/lIe5dSN91FU

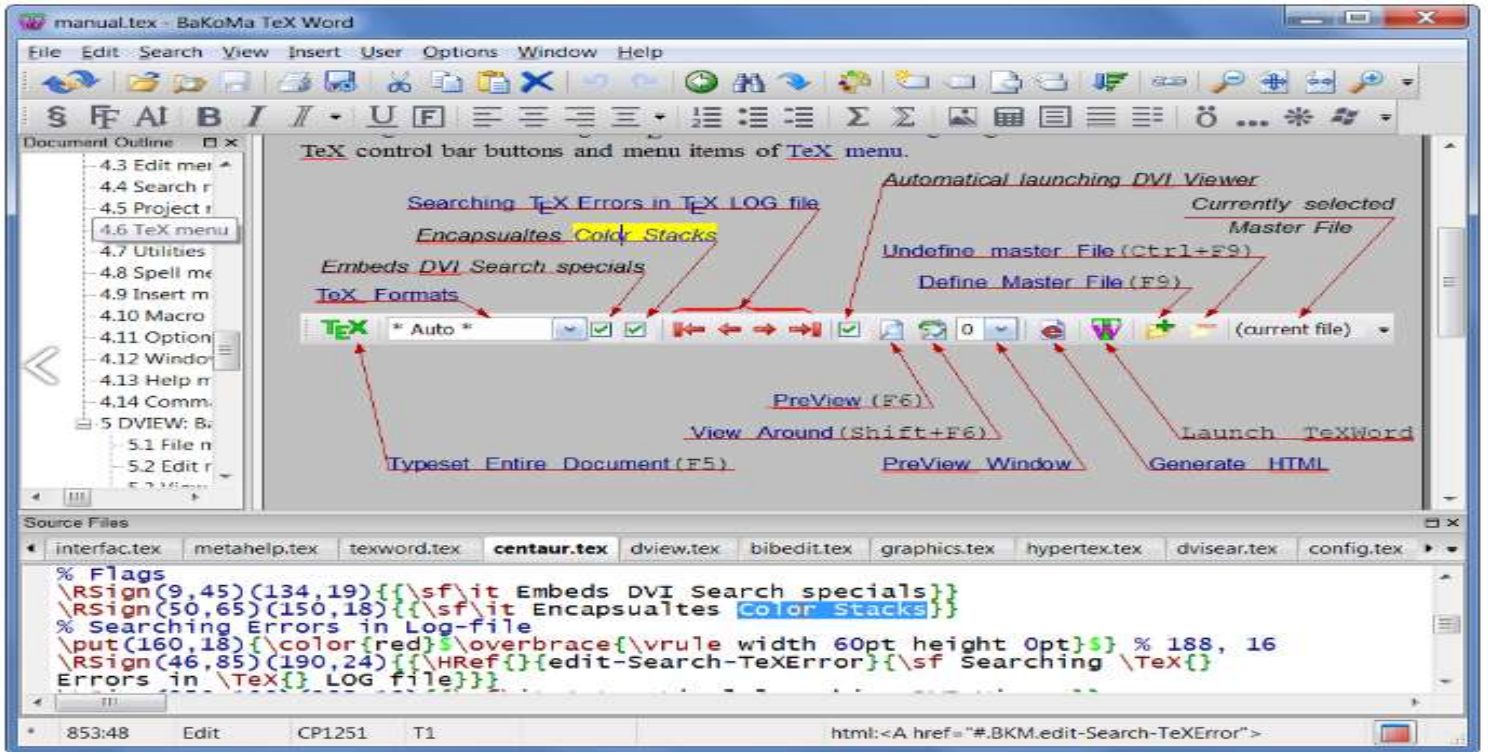
Important Notes

- BaKoMa TeX Word edits immediately LaTeX source file loaded into text buffer.
- Position in source files window is synchronised with position in page window. So, you can see two carets moved synchronously in source and page windows. In the same way selection is also synchronised. Caret may be positioned from inside any window: Page or Source Files. Caret is blinking in window where focus is. In other words, arrow keys move blinking caret, but static caret is just synchronised with blinking caret.
- Any modifications (typesetting letters, deletions, etc.) are reflected in Page and Source Files windows immediately. It requires no special action to reflect changes.

- Looking around toolbar you can found set of tools to insert frequently used LaTeX constructions. These tools are designed for using in context of Page Window. In fact, using these tools dramatically reduce needs in handling Source Files Window. Now, you can think about Source Files window as about extended status bar. This feature is very important for comfortable work, because it make able to keep attention only in one window -- Page Window. It is much more convenient then having attention on two windows.

Editing Diagrams

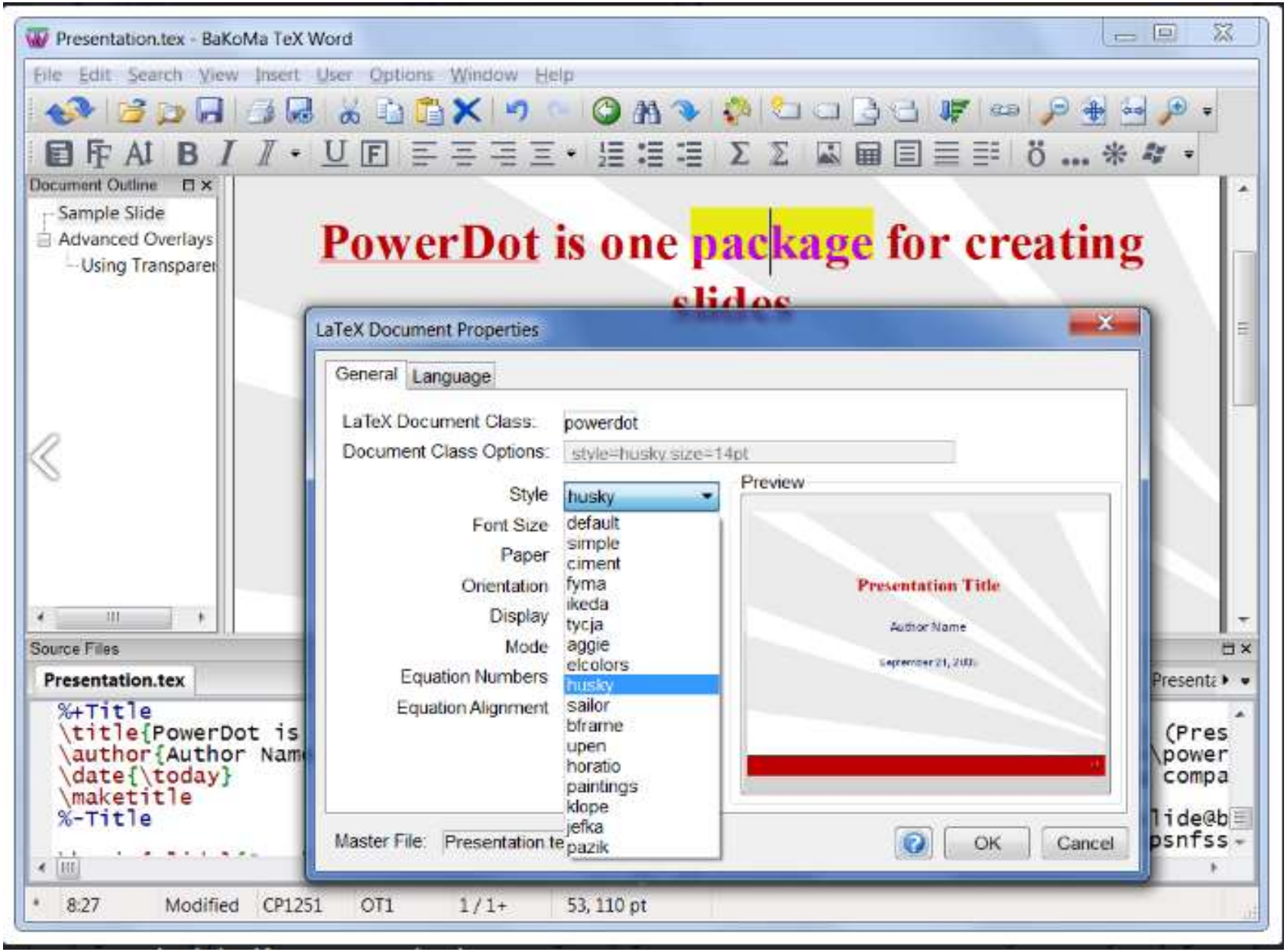
- ***BaKoMa TeX Word*** is excellent tool for editing complex LaTeX picture environment. This screenshot shows how we made diagram on page 49 of "*BaKoMa TeX User's Guide*". It is true, annotating images by TeXWord is much easier than by any other software.



Editing Slides

- BaKoMa TeX Word is ideal tool for creating LaTeX based presentations. It is because editing slides requires intensive visual control, which may be provided only by True WYSIWYG editor.

  When you edit slides by using such packages as **PowerDot** or **Prosper** you can choose style visually in dialog opened by ***Insert/Document Properties*** menu command. Using another slide making packages (I.e. **Beamer**, **Seminar**, **Slides**, etc.) is also supported.


Presentation.tex - BaKoMa TeX Word
File Edit Search View Insert User Options Window Help
Document Outline
Sample Slide
Advanced Overlays
Using Transparer
PowerDot is one package for creating slides
LaTeX Document Properties
General Language
LaTeX Document Class: powerdot
Document Class Options: style=husky,size=14pt
Style husky
Font Size
Paper
Orientation
Display
Mode
Equation Numbers
Equation Alignment
default
simple
ciment
fyma
ikeda
tycja
aggie
elcolors
husky
sailor
bframe
upen
horatio
paintings
klope
jefka
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Preview
Presentation Title
Author Name
Master File: Presentation.te
OK
Cancel
Source Files
Presentation.tex
%+Title
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\date{\today}
\maketitle
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8:27 Modified CP1251 OT1 1 / 1+ 53, 110 pt

Long documents - TeX Word Performance

- We would like to clarify one misinformation that '*BaKoMa TeX Word is efficient only for short documents, because it runs TeX on background*'.In one side it is true that BaKoMa TeX Word runs TeX to display document. This approach provides True WYSWIWYG Preview (100 % compatibility with output of native LaTeX).
- However, BaKoMa TeX Word has no degradation of performance at editing long documents. Our users edit books of 500 and more pages and enjoy that speed is even better then at editing one-page document !!! The reason of this scalability is that only one page of document is reformatted at editing document.
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System Requirements -- TeX Word Performance

- To have comfortable work with BaKoMa TeX Word your processor must be able to reprocess a page between two sequential keys pressed by your fingers on keyboard. So, estimation of required CPU may be adjusted for speed with which you type on keyboard.It looks such that at least **1 GHz CPU is required** to work with BaKoMa TeX Word.
  On such computers you can find that response at editing first page is slightly slow, but on following pages it will good enough. If you have found response isn't good enought you can disable font anti-aliasing. It will dramatically speedup displaying text.
- However, at least **2 GHz CPU is recommended** to work with BaKoMa TeX Word.
  You will not see difference in speed of displaying first and following pages. You can work with anti-aliased fonts without noticeable delay.