

Software

↳ Frontends

The screenshot shows the XMLMind Editor interface. The title bar indicates the file path: `/ma/goik/workspace/Q/sample.xml`. The menu bar includes `File`, `Select`, `Edit`, `Search`, `View`, `Tools`, `DocBook`, `Window`, `Options`, and `Help`. The toolbar contains various icons for file operations and editing. The breadcrumb navigation shows the current path: `section > table > tr > td > #text`. The document tabs at the top show `software.xml`, `lectures.xml`, `sample.xml` (active), and `general.xml`.

The main content area displays a document structure:

- 1 Sample elements
 - A sample table

The table is defined by two `<colgroup/>` elements and contains the following data:

1997	45.000,00€
2003	52.000,00€

Below the table, there is a mathematical formula:

$$\int e^{-x^2} \cdot dx = \sqrt{\pi}$$

A context menu is open over the table, listing the following actions:

- Insert Before
- Insert After
- Cut
- Copy
- Paste Before
- Paste After
- Delete

The right sidebar contains panels for `Edit` and `Attributes`. The `Attributes` panel shows a table of attributes:

Attri...	Value	Eye
abbr	-	
align	-	
arch	-	

The screenshot shows the Oxygen XML Editor interface. The title bar reads "workspace - <oxygen/> XML - Q/sample.xml - Eclipse". The main window displays a document titled "*sample.xml" with a table. The table has two columns and two rows. The first row contains "1997" and "45.000,00€". The second row contains "2002" and "52.000.000". A tooltip is visible over the table, stating "Insert a new table row below the current one." The interface includes a top toolbar with various icons, a left sidebar with navigation icons, and a right sidebar with additional icons. The table is rendered with a light blue background for the first row.

colgroup	colgroup
1997	45.000,00€
2002	52.000.000

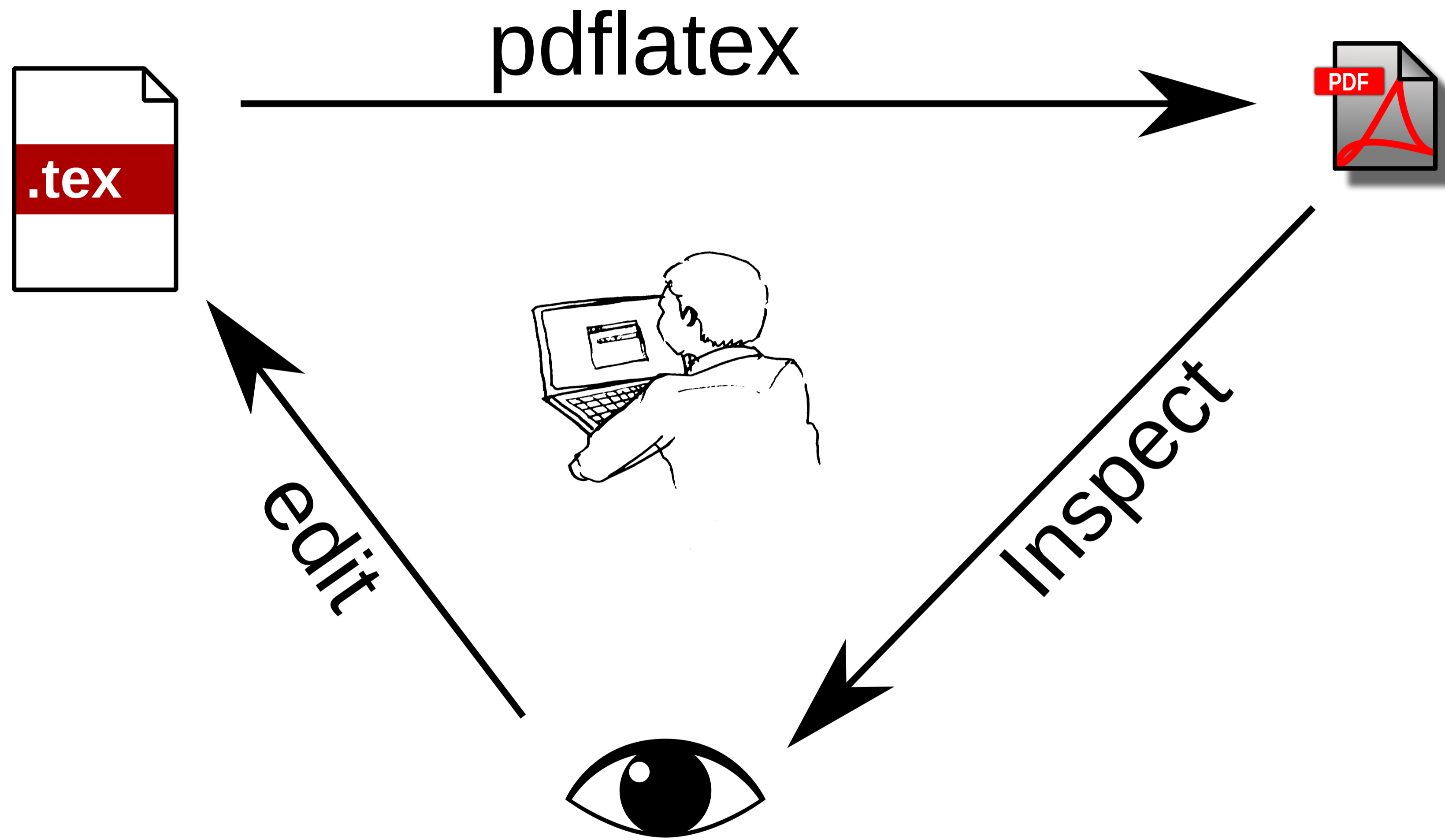
- [XMLMind editor personal edition](#)
- [Oxygen XML Editor 19](#)

Software

↳ Backends

↳ TeX / LaTeX

Inverse editing

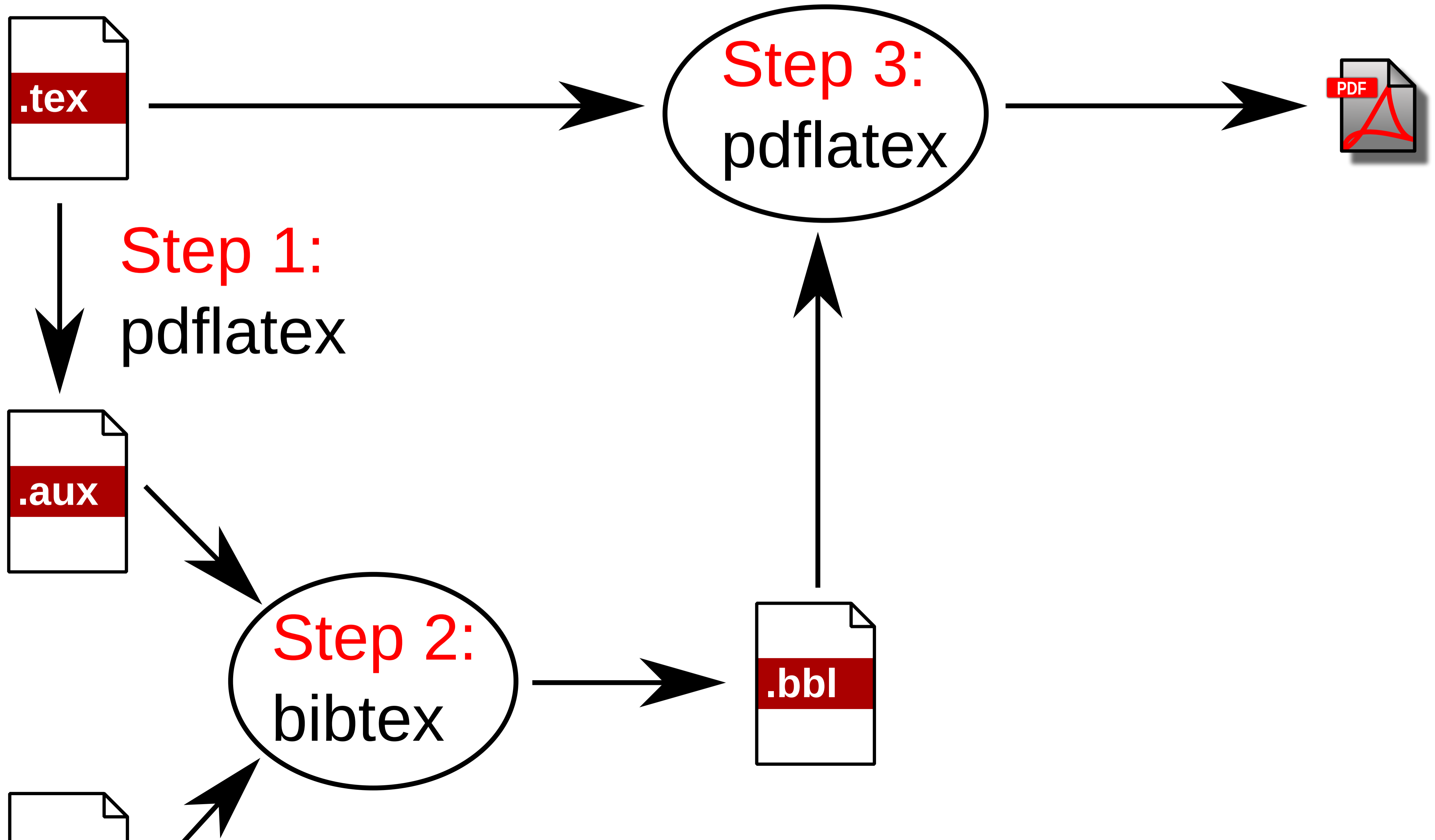


```
\documentclass{article}
\usepackage{listings}           % Include the listings-package
\begin{document}
\lstset{language=Pascal}       % Set your language
\begin{lstlisting}[frame=single] % Start your code-block
for i:=maxint to 0 do
begin
{ do nothing }
end;
Write('Case insensitive ');
Write('Pascal keywords. ');
\end{lstlisting}

\end{document}
```

Components

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• TeX compiler• LaTeX macros• CTAN extensions• BibTeX | <ul style="list-style-type: none">• Makeindex• MetaFont• HTML converter• more in the universe ... |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|



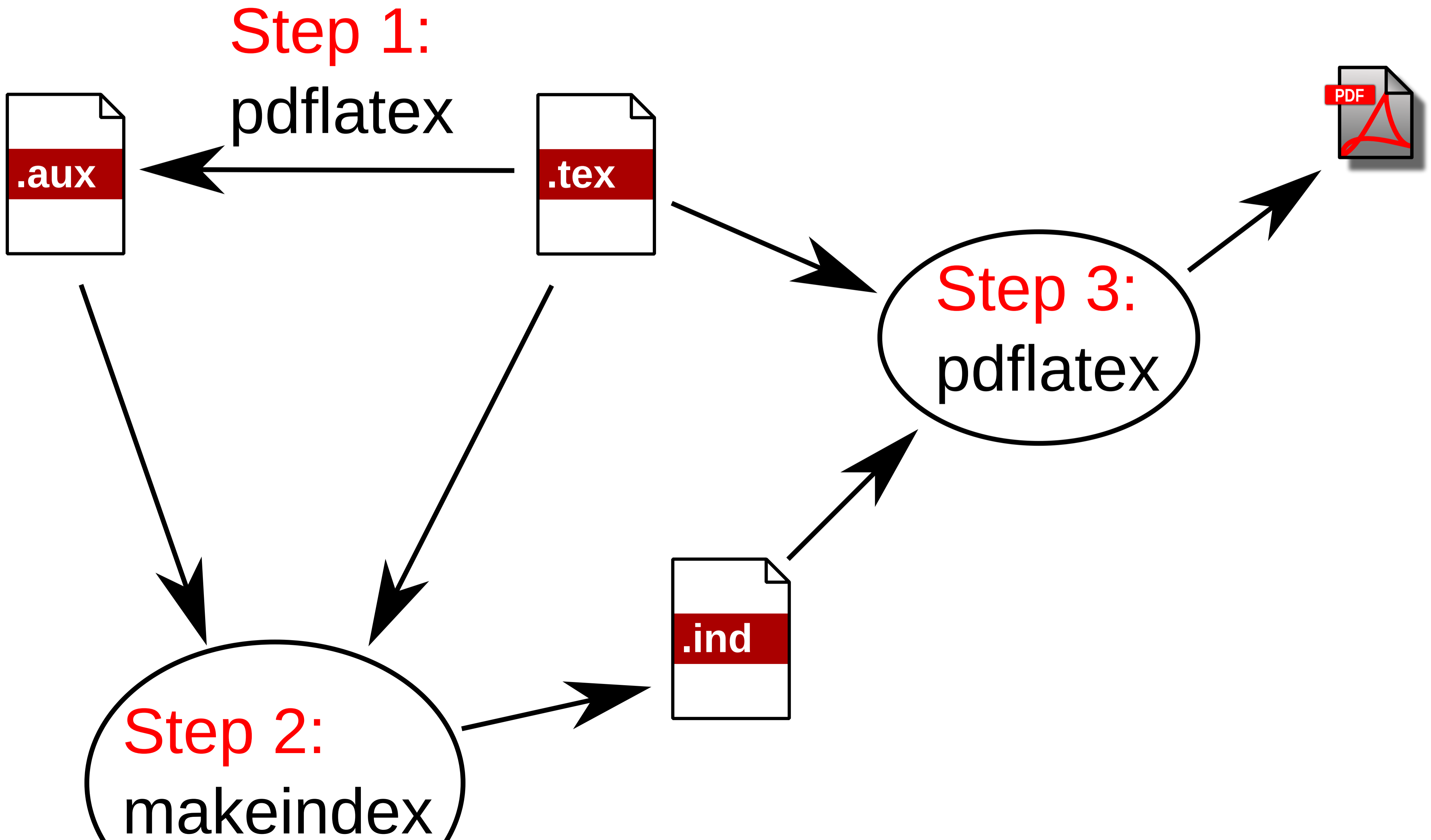
Makeindex example

```
\documentclass{article}
\usepackage[utf8]{inputenc}
\usepackage{imakeidx}
\makeindex
\begin{document}
\section{Introduction}
In this example several keywords\index{keywords} will be used
which are important and deserve to appear in the Index\index{Index}.

Terms like generate\index{generate} and some\index{others} will
also show up.

\printindex
\end{document}
```

Makeindex work flow



Piano

The coding is as follows:

```
\begin{music}
  \parindent10mm
  \instrumentnumber{1}           % a single instrument
  \setname1{Piano}              % whose name is Piano
  \setstaves1{2}               % with two staves
  \generalmeter{\meterfrac44}  % 4/4 meter chosen
  \startextract                 % starting real score
  \Notes\ibu0f0\qb0{cge}\tbu0\qb0g|\hl i\en
```

Software

- ⇒ Backends

- ⇒ Docbook

- [Docbook 4.X](#)
Document oriented, based on DTD
- [Docbook 5.0.X](#)
Document oriented, based on [RelaxNG](#).
- [Docbook 5.1](#)
Introducing topics

Schema.

- [Docbook 4.x: DTD](#)
- [Docbook 5.x: RelaxNG](#)

XSL style sheets.

- HTML
 - [\(X\)HTML 5](#)
 - Webhelp
 - [Eclipse help](#)
 - [Epub](#)
- PDF using Formatting objects

Editors

- XMLMind Editor
- Oxygen XML Author
- Emacs Nxml mode

- 253. LaTeX hello,... world
- 254. Important elements
- 255. Macro
- 256. A complete document