latex-example

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Contents

1 Version information

```
Emacs version: GNU Emacs 24.4.1 (x86_64-unknown-linux-gnu, GTK+ Version 3.10.8)
 of 2014-10-31 on dflt1w
org version: 8.2.10
```

2 Link formatting

- This is described in the L^AT_EX hyperref manual.

- This is an example how to get links that are not framed by red rectangles, but just have a blue font color

    ```
    #+LaTeX_HEADER: \hypersetup{colorlinks=true, linkcolor=blue}
    ```

3 Equations

This is an example for an equation

$$cores_{extrapol} = cores_{intern2013} \cdot offl\% \cdot \frac{gf \cdot (volume_{user} + volume_{intern})}{volume_{intern}}$$

This is an example for an equation emedded in the text $cores_{extrapol} = cores_{intern2013} \cdot offl\% \cdot \frac{gf \cdot (volume_{user} + volume_{intern})}{volume_{intern}}$ and here follows a numbered equation that also can be referenced (eq 1).

$$cores_{extrapol} = cores_{intern2013} \cdot offl\% \cdot \frac{gf \cdot (volume_{user} + volume_{intern})}{volume_{intern}} \tag{1}$$

4 Figure

I can reference the figure like this: Fig. 1. Note that there must be no empty line between the link and the meta definitions for name, caption, etc.
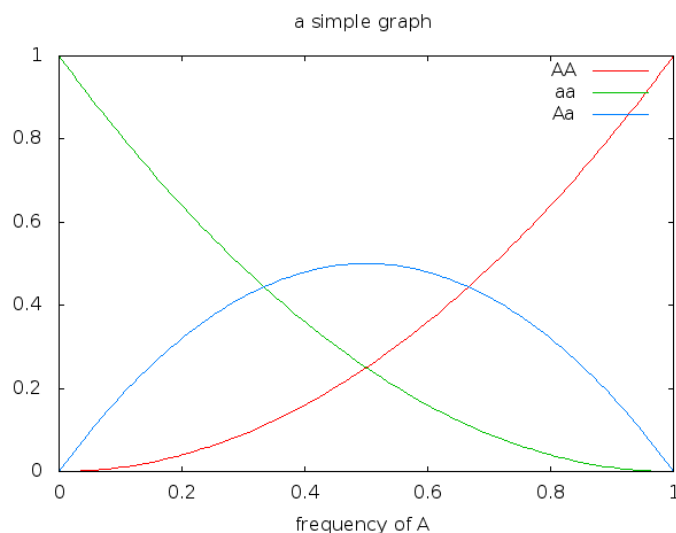

Figure 1: A simple graph

A pdf can be included the same way

```
#+ATTR_LATEX: :options page=10 :width 10cm
[[file:myfig.pdf]]
```

5 Footnote test

This is a text with a footnote[1]. The footnote will be displayed on the bottom of the current page. One can also place all footnotes in a separate chapter called *footnotes* at the end of the org file[2].

6 Tables

Whether table captions appear above or below the table can be configured using this variable

```
(setq org-latex-table-caption-above nil)
```

6.1 Math in tables

Use *math* or *inline math* together with *array* environment.

---

[1] This is the footnote text
[2] this is a footnote from the end of the org document

Here we use the simple math mode

$$\begin{array}{cc} Column1 & Column2 \\ \sin(x) & \tan(x) \end{array}$$

This uses the `inline-math` mode $\begin{array}{cc} Column1 & Column2 \\ \sin(x) & \tan(x) \end{array}$

6.2 Table font size

The font size is determined by the `:font` switch in the `#+ATTR_LATEX` line.

Column 1	Column 2
Some text	Some other text
10	20

When I use a caption, the latex export uses a `table` environment. The previous captionless table used the `tabular` environment.

Column 1	Column 2
Some text	Some other text
10	20

Table 1: Table small size

Column 1	Column 2
Some text	Some other text
10	20

Table 2: Table footnotesize

Column 1	Column 2
Some text	Some other text
10	20

Table 3: Table tiny size

6.3 DOES NOT WORK: Radio tables and skipping columns and rows

The reason why it does not work is that the feature is only implemented for some modes. Org is not among them. See Org info chapter: *A.6.2 A LATEX example of radio tables*.

The `:splice t` setting in the following ORGTBL definition will result in only the table's body lines to be returned, and not to wrap them into a tabular environment.

6.4 TODO things to try

I should try

`#+attr_latex: :float sidewaystable`

to get a table oriented sideways