

# latex-example

Derek Feichtinger

*<2014-02-22 Sat>*

## Contents

<b>1</b>	<b>Link formatting</b>	<b>1</b>
<b>2</b>	<b>Equations</b>	<b>1</b>
<b>3</b>	<b>Figure</b>	<b>2</b>
<b>4</b>	<b>Footnote test</b>	<b>2</b>
<b>5</b>	<b>Tables</b>	<b>2</b>
5.1	Math in tables . . . . .	2
5.2	DOES NOT WORK: Radio tables and skipping columns and rows	3
5.3	<b>TODO</b> things to try . . . . .	3

## 1 Link formatting

- This is described in the L<sup>A</sup>T<sub>E</sub>X [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}`

## 2 Equations

This is an example for an equation

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

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

$$cores_{extrapol} = cores_{intern2013} \cdot of fl\% \cdot \frac{gf \cdot (volume_{user} + volume_{intern})}{volume_{intern}} \quad (1)$$

### 3 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.

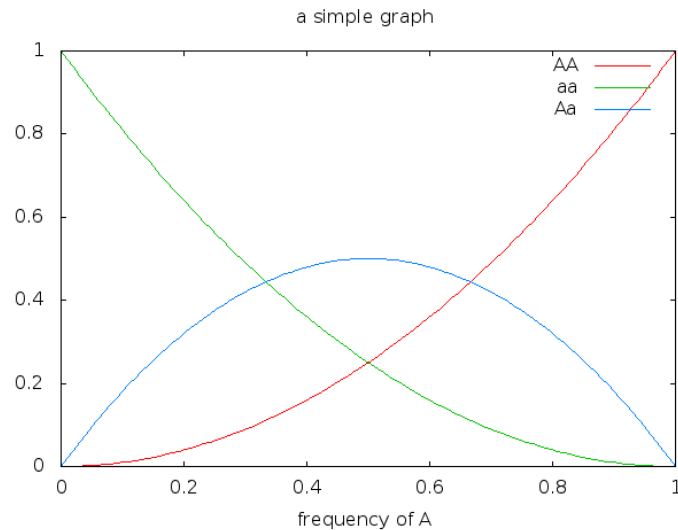


Figure 1: A simple graph

A pdf can be included the same way

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

### 4 Footnote test

This is a text with a footnote<sup>1</sup>. 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<sup>2</sup>.

### 5 Tables

#### 5.1 Math in tables

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

<i>Column1</i>	<i>Column2</i>
$\sin(x)$	$\tan(x)$
<i>Column1</i>	<i>Column2</i>
$\sin(x)$	$\tan(x)$

---

<sup>1</sup>This is the footnote text

<sup>2</sup>this is a footnote from the end of the org document

## 5.2 DOES NOT WORK: Radio tables and skipping columns and rows

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.

```
#+ BEGIN RECEIVE ORGTBL salesfigures #+ END RECEIVE ORGTBL
salesfigures
```

## 5.3 TODO things to try

I should try

```
#+attr_latex: :float sidewaysstable
to get a table oriented sideways
```