

TEMPLATE FOR LAYOUT OF PAPERS TO APLIMAT 2019 PROCEEDINGS

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Abstract. Type here a short text of your paper abstract not exceeding max 5 lines without formulas and figures. Text text text text text text text text text, text text text text text, text text text text text text text text text text text text text text text text text.

Keywords: Text text text text text text, text text text text text, text text text text text, text text text text tex

Mathematics subject classification: Primary 65D17; Secondary 53A04, 14Q05

1 Typesetting mathematics

This is \LaTeX template created for conference Aplimat. It is based on Memoir class which should be contained in \LaTeX distribution (e.g. MiKTeX [1] or \TeX Live [2]). Font encoding is UTF-8 so you can use local fonts, e.g. řščťžýáíéçš... e.t.c. directly in your source .tex file. The class was tested on MiKTeX 2.9 and \TeX Live 2014 .

In following sections and subsections we give some examples how to typeset formulas, tables and pictures, i.e. we show some of the capabilities of class Memoir. Many more can be found in the user guide for the class by Peter Wilson and Lars Madsen [3].

1.1 Math formulas

First, for numbered equation an example of align environment

$$f(a, b) = \sqrt[3]{a^2 + b^2} \tag{1}$$

$$e^{i\varphi} = \cos \varphi + i \sin \varphi \tag{2}$$

and unnumbered align environment

$$f(a, b) = \sqrt[3]{a^2 + b^2}$$

$$e^{i\varphi} = \cos \varphi + i \sin \varphi$$

Display math environment

$$a^2 + b^2 = c^2$$

and inline math environment $a^2 + b^2 = c^2$. Reference to equation (1).

1.1.1 Subsubsection

Long computation

$$\begin{aligned} \sin(\alpha + \beta) + \sin(\alpha - \beta) &= \\ \sin \alpha \cos \beta + \cos \alpha \sin \beta + \sin \alpha \cos \beta - \sin \alpha \sin \beta &= 2 \sin \alpha \cos \beta. \end{aligned} \quad (3)$$

1.2 Images and tables

1.2.1 Images

Text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text, text,
text, text, text, text, text, text, text, text, text, text, ...

The image with caption (Fig. 1.)

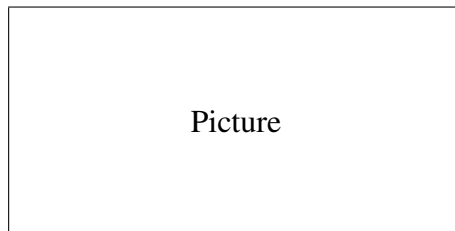


Fig. 1. A rectangle with some text inside

We first fill a page with some text. Some text. Some text. Some other text. And so on, and so on.

Numbered image without caption text (note the missing full-stop after figure number, compare with figure 1, see Fig. 2).

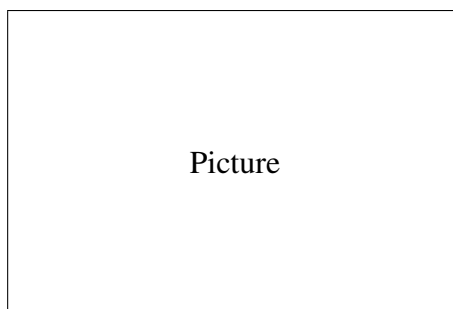


Fig. 2

1.2.2 Another image

And some subcaptions (a), (b), (c), and (d) in Fig. 3.

More about floats and images can be found in user guide for class `Memoir` [3].

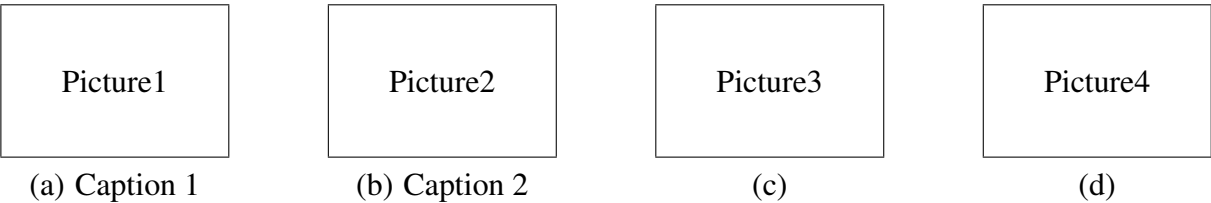


Fig. 3. Subfigures



Fig. 4. Aplimat logo

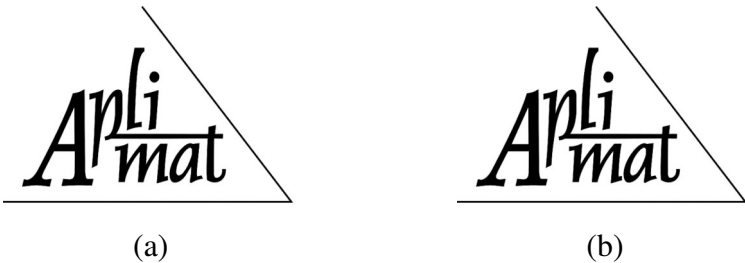


Fig. 5. Aplimat logo with subcaptions

a	b	c
1	2	3
x	y	z

Tab. 1

1.2.3 Tables

In this subsubsection we will create some tables. First something simple, Tab. 1.

Tables 2(a), 2(b) are from [3] (page 216).

gnats	gram	\$13.65
gnu	stuffed	92.50
emu		33.33
armadillo	frozen	8.99

(a)

Animal	Description	Price (\$)
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

(b)

Tab. 2. Tables

For further information consult [3]. Some text after the table. Some text. Some text. Some text. Some text. Some text.

References

- [1] URL: <http://www.miktex.org>.
- [2] URL: <http://www.tug.org/texlive>.
- [3] WILSON, P., MADSEN, L., *The Memoir Class for Configurable Typesetting*, The Herries Press, Normady Park, WA, 2001, URL:
<http://www.ctan.org/tex-archive/macros/latex/contrib/memoir/>.

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