

A sample manuscript not really under consideration for submission to MetZet

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(Manuscript received January 1, 2022; in revised form January 3, 2022; accepted December 24, 2022)

1 Introduction

The class file accompanying this sample document currently only supports a *dvips* based workflow. Other backends like pdfTeX or LuaTeX are not supported.

2 Organizing your manuscript's files

In order to support the speedy processing of your manuscript after it is accepted, we urge you

- to put your entire manuscript into one suitably named subdirectory (ms-folder) e.g. `doe_metz_cirrus`.
- Put all `.tex` and optional style files you might use (see also sec. 6 and 7) into the ms-folder. If there is a large number of figures (tables), please put them into a subdirectory (folder) named `figures` (resp. `tables`), i.e. `doe_metz_cirrus/figures`.
- Please name the figure and table files analogous to their names in your paper (for example: `fig4.eps`, `fig5a.tif`, `fig23b.tif`, `table22.tex`).

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This allows the MetZ typesetting team to process your files most quickly, thus speeding up publication of your MetZ paper.

3 Elements in the body

3.1 Citations

The *natbib* package is employed to create the bibliography, we just cite ZHANG (1999); ALBERT and YEGOROV (2010) as a demonstration. A BibTeX style (mznatbib) is provided.

For markup of DOIs the `\extdoi` command is provided (see source code of this article, DEE et. al 2004).

3.2 Weblinks

The *url* and *hyperref* packages provide support for hyperlinks of the internal and the external kind as well. While *hyperref* takes automatic care of internal links (like referencing Eq. (4.3), Table 1 and Fig. 1), external links should be marked as `\url{...}`, for example: <http://www.schweizerbart.de/journals/metz>.

4 Formulae

Not much needs to be said about inline math, just use `$...$`. The use of the *amsmath* packages for display formulae is supported und encouraged. So we may write

$$\frac{2}{\sqrt{4}} = 0! \quad (4.1)$$

or in a slightly more convoluted fashion:

$$\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \cos x_{\text{long}} = \int_0^{\pi} \sin x_{\text{lat}} \quad (4.2)$$

$$= \frac{\partial}{\partial \zeta} \frac{\zeta^2}{2} \quad (4.3)$$

It is probably worth pointing out that textual elements, such as the “long” and “lat” indices in Eq. (4.2), must be marked up as text, for which the `\text` command is provided.

On a related note, authors should avoid non-L^AT_EX and obsolete constructs like

- `$$...$$`

- `\[...\]`

- `eqnarray`

Table 1: Data with little to no meaning sampled from places at different latitudes and very different surroundings; Note that most of the southern hemisphere is left out for the sake of brevity – no offense intended.

Site	Location	Parameter <i>B</i>	Parameter <i>C</i>	Remarks
Longyearbyen	far north	0.55	≤ 0	Beware of the bears!
Yakutsk	northern woods	4.33	1.7 ± 1.4	quite cold in winter
Dimona	desert	–	-4.3 ± 2.7	rather hot in summer
Quito	high up	8.12	54.3 ± 7.1	thin air
Amundsen-Scott	farthest south	unknown	9.8 ± 1.8	cool, dry and sometimes dark



Figure 1: The reader is cordially invited to imagine whatever he or she sees fit.

as well as arbitrary spacing like “ $\$x\sim\sim y+2\” .”

But breaking of wide formulae by the authors to fit them into the column of course increases the chances of a semantically correct result.

5 Floats – figures and tables

The document class loads the *graphicx* package, and since including a picture is done straightforward by `\includegraphics`, there is no real example in this document. Still, the source code contains a basic example line wrapped up in a comment inside the figure environment of Fig. 1.

Pictures have to be provided as graphic files with the correct trimming, indicating what is to be shown, and authors should avoid using fancy techniques like `overpic` constructions, `picture` environments, `psfrag`, `pstricks`, `pgf` ... As nice and powerful as these are, they cannot be transferred into the actual production process, so programmed pictures would have to be rendered with much additional effort and the typesetter has to deconstruct artful positioning with not much of the art having a chance of being preserved.

A tabular environment for alignment is in order. Please use the font Times for text, tables and captions and Arial for figures.

6 Packages

What is said above about the use of tools for picture creation applies generally for most \LaTeX packages: their use should be restricted to an absolute minimum, otherwise quickly becoming a serious obstacle. Units for example are usually best written down in a straightforward manner as 44 km^2 , $14.3\text{--}27.8\text{ }^\circ\text{C}$, $-40\text{ }^\circ\text{C}$, 4 Km^{-1} or $14.3 \times 10^4\text{ l/h}$.

7 Miscellaneous

While allowing for many fancy solutions, in the publishing process the power of a fully programmable typesetting system also shows a dark side: processing of documents quickly becomes much more difficult and sometimes quite impossible. This power should therefore only be employed with great care and if really necessary.

Straightforward definition of shorthands is usually no problem, manipulation of geometry usually is.

Acknowledgments

J. DOE and J. DEE thank everyone who made this work possible. Furthermore the authors feel obliged to thank, in advance, the readers for paying close attention.

Appendix 1

Appendices will be available in online and print version. For electronic appendices please make sure that the paper is intelligible without electronic appendix.

References

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Please use DOI for each publication if available.