

# L<sup>A</sup>T<sub>E</sub>X Template for the SAIP proceedings 2025

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**Abstract.** You can type your relevant abstract here. As with every part of this document, you should just replace this text with your own. Just a reminder to students, an abstract shouldn't have any references, and you should briefly introduce your topic / aim of your work, and summarize your key findings. Make it formal, but also inviting for the reader to keep on reading.

## 1 Introduction

This document has instructions for writing your proceedings using L<sup>A</sup>T<sub>E</sub>X. **Your goal is to create a document in the style of “001-yourname.pdf”.** You will start with “001-yourname.tex”, change the “001” in the filename with your contribution number (3 digits with leading zeros if needed) and replace “yourname” with either your name or surname: **no special characters, no spaces, no symbols**, only A-Z characters without accents.

### 1.1 L<sup>A</sup>T<sub>E</sub>X users

Once renamed, edit the “001-yourname.tex” file directly and replace what you see in there with your own information, figures, tables, results, etc. Cite your sources properly using bibtex. For example, you might want to cite this paper [1] or that paper [2]. In certain cases, maybe citing them together would make more sense, like this [1, 2]. All the relevant information for these citations are in the “biblio.bib” file already. This template has all the code / packages needed to generate the bibliography correctly already, it's a working example. Edit as needed by adding more entries for your sources / citations.

### 1.2 The Template

Sometimes what you want to cite isn't an article. For example, this is how to cite an online instruction manual [3]; check the bib file and the references at the end. Also, this proceedings template is based on the one used by the “Journal of Physics: Conference Series” [4]. It has been modified and expanded for the specific needs of the SAIP Conference Proceedings, all contained in the “saip.cls” file.

### 1.3 Bibliographic Style

We are using “IEEE-style” for our bibliography, from the Institute of Electrical and Electronics Engineers (IEEE) transactions journals and conferences (“IEEEtran.bst”)<sup>1</sup>. Sometimes, it might be more appropriate to put a footnote with a link rather than a full reference at the end, as shown here.

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<sup>1</sup>Footnote with link: <https://www.ctan.org/tex-archive/macros/latex/contrib/IEEEtran>

#### 1.4 Your figures and tables

Include your figures and tables and refer to them in the order they will appear, figure 1 before figure 2, etc. This is how to refer to Table 1 and Figure 1, Figure 2, and Figure 3. No figure or table should be displayed in your paper without being referred to in the text.

#### 1.5 Moving things around

Try to avoid unnecessary white space as much as possible. When making a new paragraph within the same section or subsection, you should add a blank line like this to space new paragraphs apart, as seen here.

**Small Bug:** if your affiliations are squashed at the top below the authors' names on the first page when compiling (shown below), try to use a `\newpage` to force a page change earlier/later to avoid the problem.

**Author1 Name<sup>1</sup>, Author2 Name<sup>2</sup> and Author3 Name<sup>1,2</sup>**

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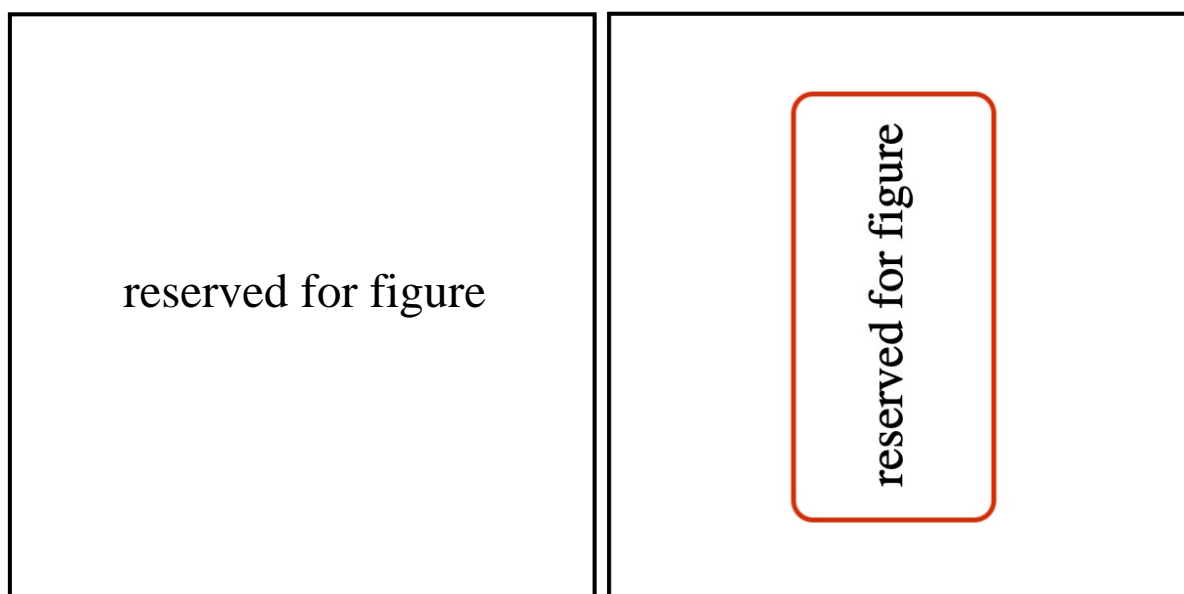


Figure 1: (*left*) Figure with 2 images side by side, each of them at `0.49\textwidth`. Do not specify the size of both sides; rather, specify just one (like the width) and let the other scale accordingly. (*right*) Do not use physical measures, like cm, or pt. Rather, try to use relative scaling, such as a fraction of the text width.

Variable	No. of things	Something else	Some numbers in there						
Red	56	case1	43	34	65	41	33	46	51
		case2	83	97	83	89	61	90	88
Green	19	case1	44	32	42	37	36	41	32
		case2	87	82	77	95	96	64	91
Blue	78	case1	53	41	57	34	59	45	54
		case2	69	85	85	33	84	62	91

Table 1: This is the caption of the table. You are more than welcome to make your own table the way you see fit, the possibilities are infinite, make it look nice.

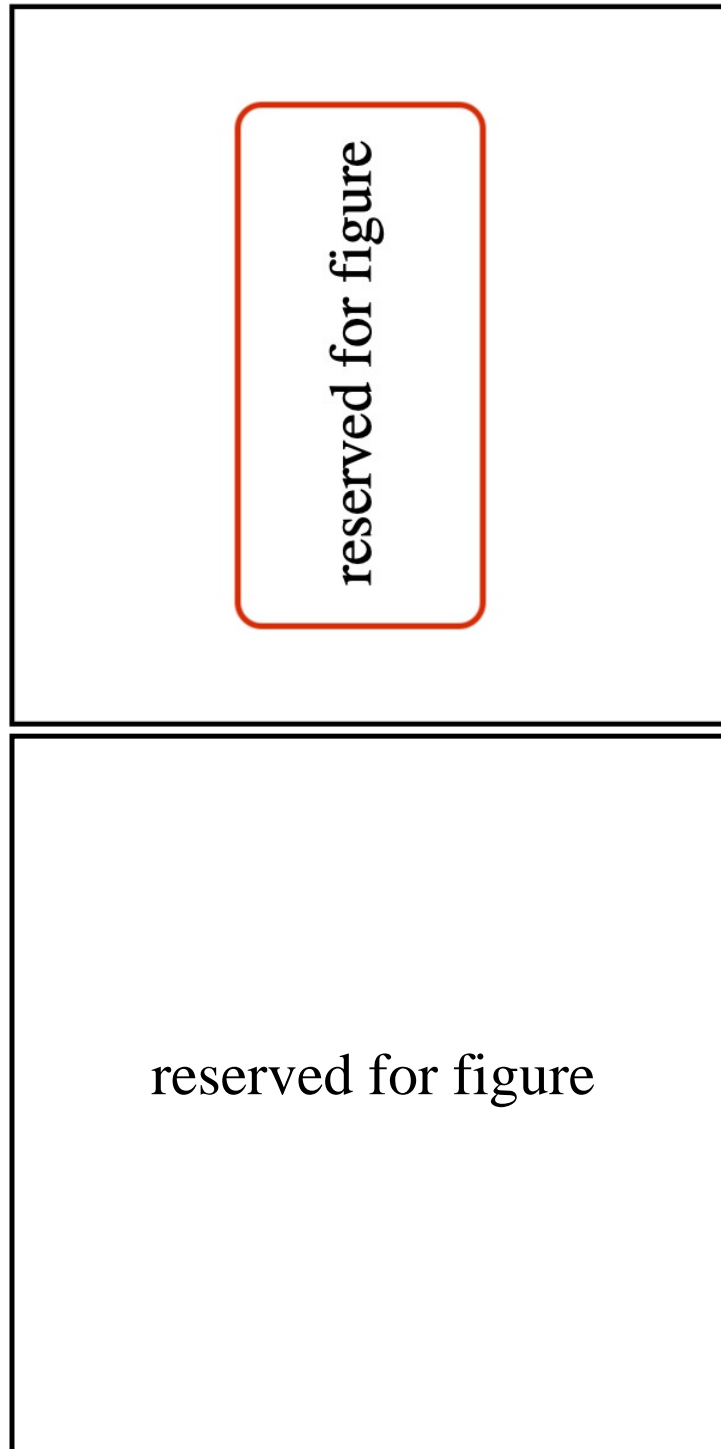


Figure 2: (*top*) Figure with 2 images on top of each other, each of them at  $0.6\text{textwidth}$ . (*bottom*) Make figures as wide as possible, as long as the figure fits your page. Be careful not to overspill in the bottom margin; keep as much white space as the other pages.

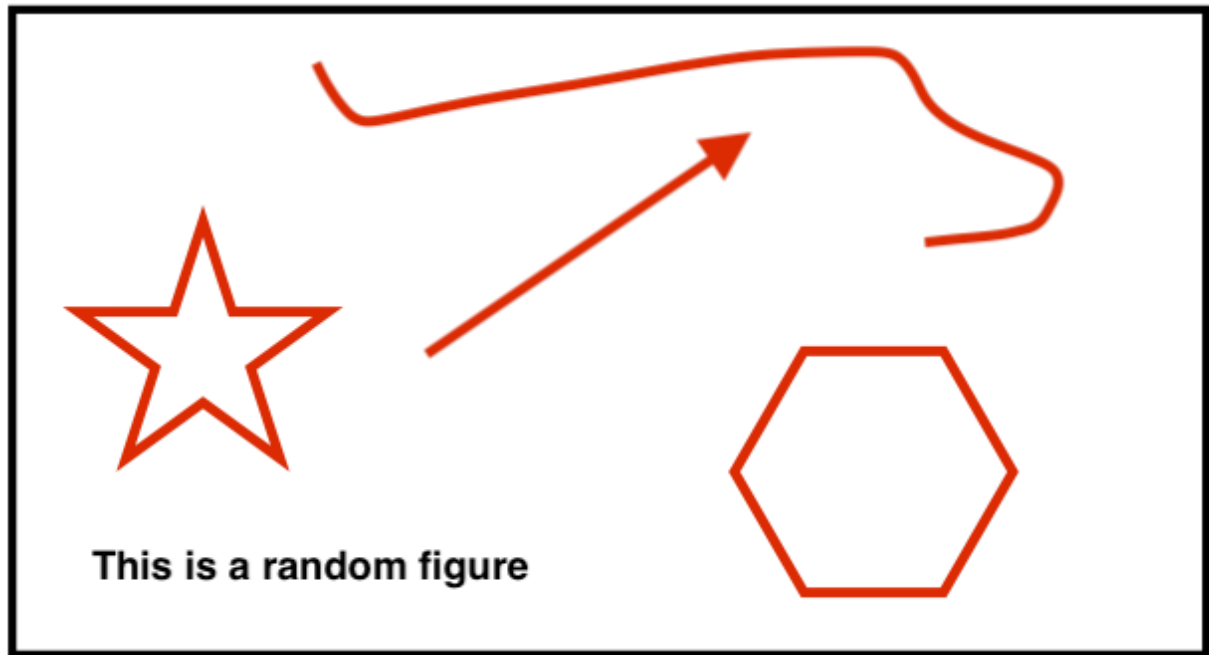


Figure 3: Figure with 1 image only, at 0.999\textwidth

## 2 New Section

Finally, you can see with these 3 images in the previous figures, that you can use PDF, JPG, or PNG, and you don't have to specify the file extension in the name to load them if you use pdf<sub>La</sub>TeX.

### 2.1 And now a subsection example

And a subsection looks like this. It automatically changes line for the content to start on the next line. This is unlike the sub-sub-section, below, where there is no line change.

*2.1.1 And finally, a subsubsection* This is what a sub-sub-section looks like, and this is where it stops. There are no deeper sections than this, and notice this one doesn't change line after the title.

## References

- [1] J. F. Navarro, C. S. Frenk, and S. D. M. White, "The Structure of Cold Dark Matter Halos," *ApJ*, vol. 462, p. 563, May 1996.
- [2] D. N. Spergel, L. Verde, H. V. Peiris, E. Komatsu, M. R. Nolta, C. L. Bennett, M. Halpern, G. Hinshaw, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, L. Page, G. S. Tucker, J. L. Weiland, E. Wollack, and E. L. Wright, "First-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Determination of Cosmological Parameters," *ApJS*, vol. 148, no. 1, pp. 175–194, Sep. 2003.
- [3] Cochard, F. and Thizy, O., "eShel echelle spectrograph User Guide," <https://www.shelyak.com/wp-content/uploads/DC0009B-eShel-User-Guide.pdf>, Shelyak Instruments, Les Roussets 38420 Revel France, aug 2009, Accessed: 2022-06-01.
- [4] Mucklow, J. and Jansson, A., "Preparing a paper using  $\text{\LaTeX} 2_{\epsilon}$  for publication in Journal of Physics: Conference Series," <https://publishingsupport.iopscience.iop.org/questions/templates-and-guidelines-for-proceedings-papers/>, 2022, Accessed: 2025-02-23.