

Example Report

Sarah Over

February 2023

Contents

Todo list	1
1 Introduction	3
2 Figure Options	4
3 More on Tables	5
4 Your Own Commands	6
5 Citing & Reference List	7
5.1 Citation Manager Differences	7
6 Resources & Helpful Links	8

Todo list

[add xxx here](#) 3

Chapter 1

Introduction

Here is how you add links within L^AT_EX: [LaTeX Project Page](#)

Useful to have the ToDos package

add xxx here

Chapter 2

Figure Options

Here is an example figure with subfigures - just make sure to keep each the appropriate size for the number per row.

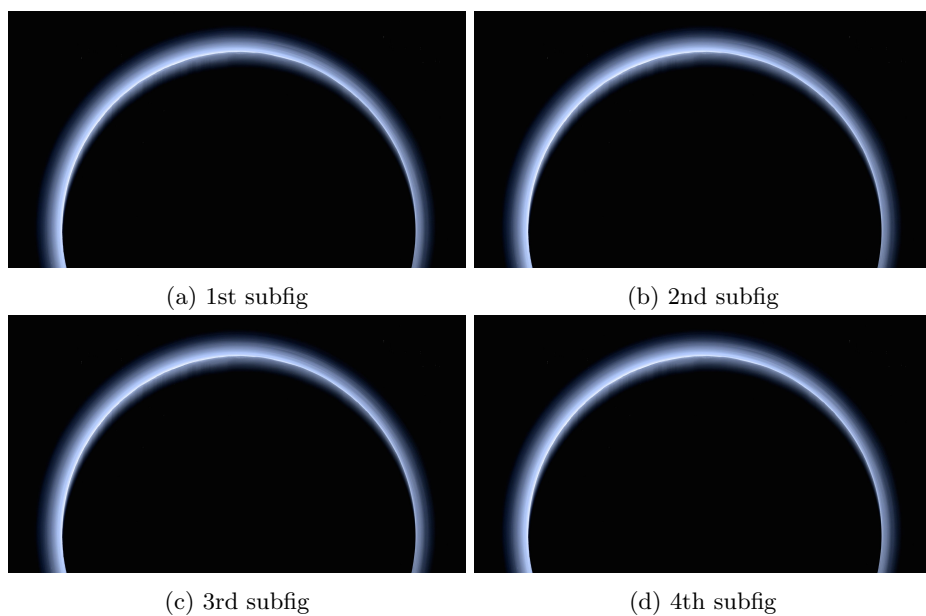


Figure 2.1: Four times fig

Here are some cross references that were defined in the figures: Figure [2.1](#) and Figure [2.1a](#).

Chapter 3

More on Tables

Table below has columns set by size instead of automatically - see [Lengths](#) for more information.

Table 3.1: Caption

Combined Columns		
cell1	cell2	cell3
Multi row	cell4	cell5
	cell6	cell7
	cell8	cell9

Chapter 4

Your Own Commands

\Rightarrow and \Leftarrow show the same!

Chapter 5

Citing & Reference List

If you have all your references in your citation manager, you can sync Zotero and Mendeley directly with Overleaf, but keep in mind that it will sync your whole library. You can also just export the references you need for your project - export as “BibTeX” and upload the file or add it to your project directory where L^AT_EX can find it. Make sure it is appended .bib, not .txt or other formats.

Citing is easy - just use the `[1]` command and options depending on the citation package used (some have more variations on the cite command). You can also cite multiple sources at once, just separate by commas `[2, 3]`.

5.1 Citation Manager Differences

Zotero is highly recommended since it has a BibTeX add-on [Better BibTeX](#) that will uniformly set your citation keys / labels that are used when citing in L^AT_EX. You can also customize how these are set.

Mendeley is the next best option as it does automatically set the citation keys when exporting to BibTeX. However, be sure to look for stray commas in each BibTeX record as the last element in each record should not have a comma (will throw errors). Also look for special characters or acronyms that might not show up properly (i.e. ä may not be encoded properly) - update them with the correct L^AT_EX code or enclose in curly braces to make sure.

EndNote can be the most work to use with L^AT_EX as it does not set citation keys automatically and just uses internal numbers. Use the “label” field in each reference to manually input your citation keys or setup your own custom export to make auto citation keys (advanced). It also may have the same issue with special characters as Mendeley, but no stray commas, so some editing may be required.

Chapter 6

Resources & Helpful Links

- [Overleaf](#) has lots of tutorials and help, be sure to check those out! Plus [VT's Overleaf page](#) has templates and other info. Also see Overleaf's [Quick Guide](#) and [Keyboard Shortcuts](#).
- [Latex Project](#) has information about desktop distributions, history of L^AT_EX and more
- [StackExchange](#) and similar sites have lots of Q&A (I use these all the time!)
- For packages and documentation, check out [ctan.org](#) (over 6k - no way to know all and some conflict)
- See past workshops too on citation managers, more on L^AT_EX, and other helpful tips and tools from [VT Libraries](#)
- These materials are found here: [Github - LaTeX Workshops](#)
- Last you can check [our library](#) for L^AT_EX books - there have been lots published, including ones for other types of documents like presentations (Beamer).

Bibliography

- [1] Bryan Friia, Aditya Mahajan, Michael Forrest, and Stefan R. Bieniawski. Technology Maturation of Active Precision Navigation for Lunar Landing. In *AIAA SCITECH 2023 Forum*, AIAA SciTech Forum. American Institute of Aeronautics and Astronautics, 2023.
- [2] David J. Halaas, Stefan R. Bieniawski, and Brian Hannan. Lunar Landing Site Hazard Assessment Approach. In *AIAA SCITECH 2023 Forum*, AIAA SciTech Forum. American Institute of Aeronautics and Astronautics, 2023.
- [3] Alex Kim, Katy Hurlbert, Andrew Boone, Jon-michael Tucker, and Rube Williams. Design and Implementation of an Instrumentation Package to Characterize Blue Origin’s New Shepard Vehicle Cabin Environment. In *ASCEND 2020*, ASCEND. American Institute of Aeronautics and Astronautics, 2020.