

COLOMATYC 2020: OVERLEAF SESSION

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1. INTRODUCTION

- 1.1. **T_EX.**
- 1.2. **L^AT_EX.**
- 1.3. **Overleaf.**

2. WRITING IN L^AT_EX

If you'd like to follow along:

- (1) Create a free Overleaf account at <https://overleaf.com/register> if you don't already have one
- (2) Visit this link to view the project: <https://overleaf.com/read/wrfygkksmtks>
- (3) Click on the Overleaf Menu in the upper left and choose "Copy Project" under the "Actions" section

Or feel free to simply watch, either way works!

3. SECTIONING COMMANDS

This is some text.

3.1. **This is a subsection.**

4. ANOTHER SECTION

5. CROSS-REFERENCES

6. FIGURES AND TABLES

Refer back to Section 5.

Date: 13 March 2020.

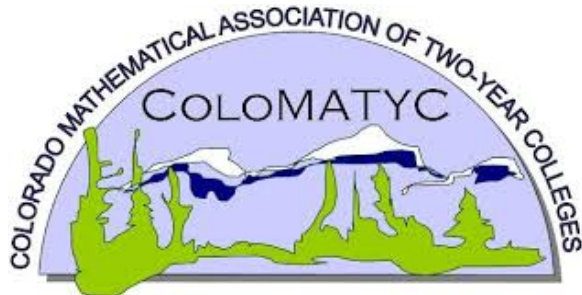


FIGURE 1. This is a Caption

x	y
---	---

z	a
---	---

TABLE 1. Caption

7. CITATIONS, BIBLIOGRAPHIES, AND REFERENCE LISTS

[1]

8. MATH TYPESETTING

Refer to Eq. 1 for more details.

$$(1) \quad e = mc^2$$

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

9. TEACHING USAGE

Display examples of:

- Syllabi
- Handouts
- Exams

This is a new paragraph.

10. USEFUL RESOURCES

Overleaf Community Resources page:

- Overleaf Keyboard Shortcuts
- Overleaf \LaTeX Command Reference Card

Online Communities:

- \TeX Stack Exchange
- \LaTeX Community

11. GRAPHICS

Some authors like to program their graphics in \LaTeX . This can be great for ensuring consistent fonts, notation, and high-quality graphics.

A few common options:

- `picture` environment
- `pstricks` package
- PGF/Tikz package
- `pgfplots` package

12. ADVANCED TOPICS

- R Code Example
- Indices
- Glossaries
- Some Overleaf tricks

REFERENCES

- [1] Steven C. Chapra and Raymond P. Canale. *Numerical Methods for Engineers*. McGraw-Hill Education, New York, 7 edition, 2015.