

Example LaTeX Document

Manuel Santos

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Abstract

This document serves as an example \LaTeX `main.tex` file. It demonstrates a common structure used in academic and technical writing.

1 Introduction

This is the introduction section. \LaTeX is widely used for scientific documents due to its excellent typesetting quality and mathematical support.

2 Mathematics Example

Inline math example: $E = mc^2$.

Displayed equation:

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (1)$$

3 Figures

Figure example:



Figure 1: Example figure

4 Tables

Item	Quantity	Price (€)
Apples	3	2.50
Oranges	5	3.20
Bananas	2	1.10

Table 1: Example table

5 Conclusion

This example demonstrates:

- Document structure
- Math typesetting
- Figures and tables

And finally, a citation to an important work [1].

Acknowledgements

Optional acknowledgements go here.

Bibliography

References

[1] Legend. The one and only. <https://youtu.be/dQw4w9WgXcQ>, 1987. Blessed: 27-07-1987.

Appendix

As an appendix, I leave you with a dummy PDF inclusion.

Dummy PDF file