Modular Example for LaTeX

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Abstract

This example illustrates some useful methods in LaTeX.

Contents

*The distinguished L. Oiler is distant relative to the legendary L. Euler. A summary sentence. With thanks. And contact information: l.oiler@afterlife.net

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1 Introduction

Hello Mathematical World!

1.1 Questions

Transcendental or Algebraic? Is $\pi^{\sqrt{2}}$ algebraic or transcendental?

Generalized Exponentiation A tribute to L. Euler:

$$-e^{i\pi} = 1$$

Bibliography The next section illustrates using citations with a bibliography. The bibliographic file is separate (think modular!) and is pulled in using `\bibliography{bibliog}`

2 Recommended Reading

The following books and articles are well worth the time to track down.

- Mathematics: Its Content, Methods and Meaning [AKL63],
- The VNR Concise Encyclopedia of Mathematics [GKHK75],
- What is Good Mathematics [Tao07],
- Proofs and Refutations [Lakns],
- How to Write a Proof [Lam93], and
- How to Teach a Class by the Modified Moore Method [Cha95].

Epilogue

Happy TEX-ing!

References

[AKL63] A.D. Aleksandrov, A.N. Kolmogorov, and M.A. Lavrentev. *Mathematics: Its Content, Methods and Meaning*. MIT Press: 2nd edition, 1969; 1st edition, 1963/1964, dover, 1999 (three volumes bound as one) edition, 1963.

[Cha95] D.R. Chalice. How to teach a class by the modified moore method. *American Mathematical Monthly, 102, No. 4*, pages 317–321, April 1995.

[GKHK75] W. Gellert, H. Kustner, M. Hellwich, and H.; (eds.) Kaestner. *The VNR Concise Encyclopedia of Mathematics*. Van Nostrand Reinhold Company, 1975.

[Lakns] Imre Lakatos. *Proofs and Refutations: The Logic of Mathematical Discovery*. Cambridge University Press, 1976, 1977, reprinted with corrections.

[Lam93] Leslie Lamport. How to write a proof. *The American Mathematical Monthly*, 102(7):600–608, 1993.

[Tao07] Terence Tao. What is good mathematics. *arXiv:math/0702396v1*, Feb 2007.