

To 4th grade, Master and Doctor course students

Mathematics Writing (with an introduction to \LaTeX)

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Description: The main goal of this course is to discuss the kind of writing that is appropriate in a research mathematical paper submitted for publication in a mathematical journal.

In the first part of this course, we shall explain the basic rules and requirements for Mathematical writing giving some specific recommendations. The second part shall be devoted to give an introduction to \LaTeX aiming to get the students prepared to start typesetting their first mathematical paper with ease.

Intended Audience: 4th grade, Master + Doctor course students.

Plan of the course:

Lecture 1: We give the standard global rules for writing a mathematics paper. Moreover, we introduce some of the most useful phrases and common constructions in mathematics writing.

Lecture 2: In this lecture, we focus on the basic feature of mathematics writing. Namely, we explain the most common rules for blending words and symbols smoothly inside the text.

Lecture 3: \LaTeX is now the universal computer typesetting program used by mathematicians. In this lecture, we introduce the fundamental concepts and the basic commands of \LaTeX .

Lecture 4: We go ahead with more advanced \LaTeX commands. We shall explain how to define new commands, how to create specific environments, how to insert pictures and figures, how to divide the document into sections ...