

# Check List for Authors before submitting your Paper

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Before submitting your paper, please check the following:

1. Carefully proofread your manuscript.
2. Have your manuscript read by a native speaker of English and obtain feedback.
3. Include nontrivial examples in the paper to illustrate the new results.
4. Clearly justify *\*how\** and *\*why\** the results are: new, significant and interesting.
5. Consult Paul Halmos's Comments on What to Publish. From P. Halmos, *Selecta: Expository Writing*, Springer-Verlag, 1983, pp. 192-195. Web:

[http://courses.cs.vt.edu/~cs5014/F01/notes/higham/tc\\_7\\_PublishPaper.html](http://courses.cs.vt.edu/~cs5014/F01/notes/higham/tc_7_PublishPaper.html).

Some details and common mistakes follow:

1. All theorems, lemmas, propositions, corollaries, examples, remarks etc. should be numbered consecutively within each section. To accomplish this, make sure to use `\begin{theorem}` and `\end{theorem}` as well as `\label` and `\ref`. Please make sure that labels are given everywhere and that there are no **multiply defined labels** and no **undefined labels**. These two error messages can be seen from the log file when compiling the L<sup>A</sup>T<sub>E</sub>X-document. Please also make sure that each bibliographical item is labelled and that these items are recalled using the `\cite` command. Please also make sure to use `\cite[Theorem x]{label}` instead of `Theorem x in \cite{label}` and `\cite{label1,label2}` instead of `\cite{label1}`, `\cite{label2}`. Please do not cite like `\cite{x}--\cite{y}` but please include all references (the order of the bibliographical entries might change later).
2. Please give AMS subject classifications and keywords.

3. Please make sure each equation that is recalled anywhere in the paper is labelled with `\label{name}` and recalled later using `\eqref{equation}` instead of `(\ref{equation})`.
4. For double names, please use `--` instead of `-` (same with page numbers) Example: “Leray–Schauder theorem” instead of “Leray-Schauder theorem”. Example: “pages 5–10” instead of “pages 5-10”.
5. Please write “Banach’s fixed point theorem” and not “banach’s fixed point theorem” and not “Banach’s Fixed Point Theorem”.
6. Please make sure opening quotation marks are typeset as two consecutive ‘ while closing quotation marks are typeset as two consecutive ’.
7. Example about hyphenation: “This equation is of second order”. But: “This is a second-order equation”. Anything with “non” is not hyphenated. Example: “nonlinear” instead of “non-linear”.
8. Please write “If ..., then” instead of “If ... then”. Please correct “Let ... then ...” or “Suppose ... then ...” or similar to “Let .... Then ...”.
9. Please put “,” after “i.e.” and “e.g.”. Also, if there is a word that ends with “.” but is not the end of a sentence, put “\” right after “.”. Example: `etc.\`
10. Sometimes authors insert empty lines after displayed equations which cause the text to start a new paragraph, even sometimes within a sentence. In such case, please remove the empty line and make sure that no new paragraph is starting there. Also, any `\\` should be avoided within the text. If a new paragraph really is needed here, remove the `\\` and insert an empty line after that. If no new paragraph is needed here, remove the `\\`. Also watch out for `\noindent`: If there is one, and it is a new paragraph, remove `\noindent`. If there is one, and it is not a new paragraph, remove `\noindent` and any empty line between the following and the previous text.
11. Please make sure instead of just typing three periods `...` we will use `\ldots`
12. Please make sure that each “,”, “.”, “:”, “;” will have no space in front of it and will have one space after it. Also, “(” should have one space in front of it and no space after it. Also, “)” should have no space in front of it and one space after it. Also, when a sentence ends, a “.” should be at its end.
13. Please make sure that any math text is typeset in mathmode, i.e., within dollar signs. However, no nonmath text can be typeset in mathmode. For example, please write  

We know the values of  $\$a\$$ ,  $\$b\$$ , and  $\$c\$$ .

and not

We know the values of  $a$ ,  $b$ , and  $c$ .

and not

We know the values of  $a$ ,  $b$ , and  $c$ .

and not

We know the values of  $a$ ,  $b$ , and  $c$ .

Another example:  $n$ -dimensional and not  $n$ -dimensional and not  $n$ -dimensional.

14. Please use  $\sup$  and not  $\sup$  and not  $\sup$ . Please use  $\liminf$  and not  $\lim\inf$ .

15. Please use `itemize` or `enumerate` for lists.

16. Please write “Section 3” instead of “section 3” but “in this section” instead of “in this Section”.

17. It is either “the Euler theorem” or “Euler’s theorem”, but not “the Euler’s theorem”.

18. Please put title of paper, headlines of sections and subsections with words capitalized at the beginning, e.g., “3. Proofs of Main Results” instead of “3. Proofs of main results”.

19. Make sure that, when compiling the paper, there are no **overflow boxes**. Also, **underfull boxes** should be eliminated.

20. All parentheses should be adapted in size, for example, it should be

$$\left(\frac{1}{2}\right) \text{ instead of } \left(\frac{1}{2}\right).$$

21. Be careful that there are no `\pagebreak` or `\linebreak` or `\clearpage` or `\break` or `\eject` or `\enlargethispage` or similar commands in the file, which could mess it up completely after reformatting. Delete all such commands. If displays have to be broken, please use `\allowdisplaybreaks[1]` and if it still does not work up to `\allowdisplaybreaks[4]`.

22. Please put references in alphabetic order. The best way to prepare the bibliography is to use

<http://ams.rice.edu/mathscinet/>

in the following way: Search for each item, then copy the desired item to the clipboard. Once finished, go to clipboard and select the items to be displayed in `bibformat`. Then produce a file “name-x.bib”. Put the following two lines at the end of the “name-x.tex” file:

```
\bibliographystyle{plain}
```

`\bibliography{name-x}`

Then compile with the sequence “`latex name-x`”, “`bibtex name-x`”, “`latex name-x`”, “`latex name-x`” and everything is in proper alphabetical order and official correct information. This is the one and only professional way to accomplish this. You need to subscribe to mathscinet to do this.