



Instructions for preparing L^AT_EX File for MBE Journal

Here below are important steps and instructions on how to prepare your final T_EX file. Please read carefully and follow them as close as possible since it will expedite the publication process of your paper. Thank you very much for your cooperation.

I Some First Steps

1. Step 1:

For file prepared in *AMS-L^AT_EX* format: Download the class file “AIMS.cls” from the following link and place it to the local folder where your tex file resides.
<http://www.aimspress.com/journaltemp/aims.cls>.

2. Step 2:

For file prepared in *AMS-L^AT_EX* format: Download the *AMS-L^AT_EX template* by clicking the following link and use it as a template to prepare your tex file.
http://www.aimspress.com/Temp/MBE_Template.zip.

!!! **Important note:** Please read carefully all information in these templates including those preceded by % sign.

3. Step 3:

For file prepared in *AMS-L^AT_EX* format: Compile your paper using *AMS-L^AT_EX* command together with the class file “AIMS.cls,” making sure the compiling is error-free.

4. Step 4: Print out your paper and check.

- i) Improve the quality of the figures until they are in high resolution and clear if the originals are not.
- ii) Make sure your paper includes the following important information:
 - 1) Abstract
 - 2) Full address of each author including country name, placed beneath the title
 - 3) Email address of corresponding author
 - 4) At least five Key words and phrases

- iii) Make sure each URL link prompted by command `\url{}` and the URL link works fine.
- iv) Make sure no suspicious question mark ?.
- v) Make sure the format of the references match those shown in the “REFERENCES” section below.

II Instructions

1. To produce a theorem, lemma, proposition, corollary, conjecture, etc., you need to use the standard command `\begin{...}` to start with, and `\end{...}` to finish. All texts in such environment will be automatically *slanted*.
2. For a definition, remark, or notation, please use the standard commands `\begin{...}` and `\end{...}`. However all texts in such a environment will be automatically **upright**.
3. For all **proofs**, please use `\begin{proof}` and `\end{proof}` commands. Do not define your own macros.
4. Make sure all **math formular numbers** are continuous.
5. Make sure all **lines, math formulas, tables** and **figures** are **within the limit of 5 inches in width**. In particular, formulas can not run to the right of equation numbers. Never run out of the bound.
6. Important remarks on Figures.

Figures in PDF, JPEG or PNG format are preferred and should be called for from the `\TeX` file and sent as separate files.

PostScript figures in EPS (Encapsulated PostScript) format are also acceptable and should be called for from the `\TeX` file and sent as separate files if one has too much difficulty with the EPS to PDF format conversions. The preferred macro package for including EPS figures files is the `\LaTeX` `graphicx` package.

More importantly, your paper will be compiled with `PDFLaTeX` or `PDFTeXify`, therefore, please make every effort to ensure your submissions are compatible, e.g. avoid calling `\psfrag` in the `\TeX` file.

- i) Make sure your figure is clear, with high resolution.
- ii) All figures should be placed in the body of your paper and before the REFERENCES section.
- iii) In a page with figures, there should be no unnecessary spare space. Be sure that each page is fully occupied by figures and texts.
- iv) Make sure both the memory size and geometric size of your figures is as small as possible, while they are **clearly visible of all details**. For example, a figure file with size bigger than 1MB and a paper file with size bigger than 5MB could cause some technical inconveniences. Papers with figures of poor **resolution** cannot be accepted.
- v) Make sure labels and other texts in all figures are clear and have proper font size.
- vi) Figures should be scalable.
- vii) Again, make sure that all **figures** are **within the limit of 5 inches in width**. Never run out of the bound.

See an example below.



Figure 1. Here is the Caption of your figure

7. Important remarks on References.

- i) Use the command `\cite{}` to cite each reference since it will be convenient for readers to click the hyperlink and check the actual reference cited.
- ii) Use `\bibitem{}` to define each reference.
- iii) Include **ONLY** those papers that are specifically quoted in your paper, not just barely mentioned. **Do Not include excessive references.**
- iv) Make sure all reference **indexes** cited in the main text do exist in the **REFERENCE** section.
- v) Please **DON'T use your own definition** in the **REFERENCE** section.
- vi) Write each reference in three separate `\newblock`s. Place author names in first `\newblock`, title in second `\newblock` and the rest of the info. in the third `\newblock`. You may leave first `\newblock` blank if there is no author names, likewise leave second `\newblock` blank if there is no title. Need examples? Please refer to the references in the AIMS template http://www.aimspress.com/Temp/MBE_Template.zip.
- vii) References must be numbered in order of appearance in the text (including table captions and figure legends).
- viii) Always place the first name initial first, then the middle name initial (optional), followed by the last name. See references [1], [2] and [3] for details.
- ix) If a reference is a paper in a journal, the title of the paper should be put upright. Only the first character in a paper's title is capitalized. The name of the journal should be **slanted**, which can be achieved by putting the title inside the braces: `\emph{...}`. Please ignore the issue number since the page numbers and volume number yield sufficient information to identify the paper. Pay attention to the correct way of placing **volume number** (in bold face), **year**, **starting page–ending page**. Note that starting and end page numbers should be separated by **two hyphens - -** See references [2], [3], [4] and [5] for details.
- x) If a reference is a book, the title of the book should be **slanted**, which can be achieved by putting the title inside the braces: `\emph{...}`. The first letter of each word **except in, and, the, ...** in the title should be capitalized. See reference [6] for details.
- xi) If a reference is a paper in a conference proceeding, please see the sample reference [7].
- xii) If the reference is a thesis, please see the sample reference [8].
- xiii) Some of you may familiar with Bibtex. If you choose to use BibTeX, you need to perform a sequence of steps and the sequence is as follows:
 - 1) First step: Create a BibTeX bibliography file (a `.bib` file) for your paper.
 - 2) Second step: Write the LaTeX code `\bibliographystyle{AIMS}` and

\bibliography{reference} to include a declaration of the AIMS style of bibliography and the BibTeX bibliography file (e.g. reference.bib file), in your LaTeX file.

- 3) Third step: Compile the LaTeX file. In this step you may notice that LaTeX will warn you of the undefined citation, and there will be a further warning of undefined references after the document finishes.
- 4) Fourth step: Run BibTeX. The bibliography style file AIMS.bst will be used in this step. The entries that have been cited in the paper will be sorted and transformed into AIMS style references and saved in a reference.bbl file.
- 5) Fifth step: Open the reference.bbl file using WordPad, copy everything in this file and paste it in the LaTeX file to replace the LaTeX code \bibliographystyle{AIMS} and \bibliography{reference}.
- 6) Sixth step: Compile the LaTeX file three times by clicking the LaTeX command or Compile the LaTeX file once by clicking PDFTeXify command if you use WinEdt.

You can find various examples in **AIMS template**. Check it out by clicking the following link:
http://www.aimspress.com/Tmp/MBE_Template.zip

References

1. FirstNameInitial. MiddleNameInitial. LastName, Title of the paper, *Name of the Journal*, **Volume** (Year), StaringPage–EndingPage.
2. Y. Benoist, P. Foulon, F. Labourie, Flots d'Anosov a distributions stable et instable differentiables, (French) [Anosov flows with stable and unstable differentiable distributions], *J. Amer. Math. Soc.*, **5** (1992), 33–74.
3. O. Diekmann, M. Gyllenberg, H. Huang, M. Kirkilionis, J. A. J. Metz, H. R. Thieme, On the formulation and analysis of general deterministic structured population models. II. Nonlinear theory, *J. Math. Biol.*, **43** (2001), 157–189.
4. S. Marchesseau, H. Delingette, M. Sermesant, R. Cabrera-Lozoya, C. Tobon-Gomez, P. Moireau, et al., Personalization of a cardiac electromechanical model using reduced order unscented Kalman filtering from regional volumes, *Med. Image Anal.*, **17** (2013), 816–829.
5. C. Wolf, A mathematical model for the propagation of a hantavirus in structured populations, *Discrete Continuous Dynam. Systems - B*, **4** (2004), 1065–1089.
6. J. Smoller, *Shock Waves and Reaction-Diffusion Equations*, 2nd edition, Springer-Verlag, New York, 1994.
7. J. Serrin, Gradient estimates for solutions of nonlinear elliptic and parabolic equations, in *Contributions to Nonlinear Functional Analysis* (eds. E.H. Zarantonello and Author 2), Academic Press, (1971), 33–75.
8. FirstNameInitial. LastName, *Torsion Cycles and Set Theoretic Complete Intersection*, Ph.D thesis, Washington University in St. Louis, 2006.
9. *SARS Expert Committee, SARS in Hong Kong: From Experience to Action*, Report of Hong Kong SARS Expert Committee, 2003. Available from: <http://www.sars-expertcom.gov.hk/english/reports/reports.html>.

- 10. F. Abergel, R. Tachet, work in progress.
- 11. M. Entov, L. Polterovich, F. Zapolsky, Quasi-morphisms and the Poisson bracket, preprint, [arXiv:math/0605406](https://arxiv.org/abs/math/0605406).
- 12. A. Teplinsky, Herman's theory revisited, preprint, [arXiv:0707.0078](https://arxiv.org/abs/0707.0078).



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