Article Template for GAMM Archive for Students

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Abstract: *This is the abstract (max. 250 words for research papers and tutorials, max. 150 words for technical briefs)*

Keywords: mathematics, mechanics, LaTeX
(max. 5 keywords)

1 Introduction

This is the introduction. The authors are encouraged to include their ORCiD in the manuscript. The circle next to the author will be replaced by the logo during copyediting.

2 Contents

This is some scientific content. Make sure to use the commands from the `siunitx` package for all numbers. For instance, we have

$$1.2345 \times 10^{6}\,\mathrm{m/s}, \qquad 20\,\%,$$
$$(80 \times 10^{-9} - 120 \times 10^{-9})\,\mathrm{kg}, \qquad 5.4321 \times 10^{-9}.$$

For more details about the typesetting in GAMMAS, we refer to [3]. For a concise introduction to scientific writing in mathematics we refer to the excellent monograph [2]. Consult the documentation of the `amsmath`[1] package for useful hints on typesetting equations in LaTeX.

3 Summary

This is a great summary.

[1] `https://ctan.org/pkg/amsmath`

Code Availability: Both, the LaTeX source code for reference [3] as well as the python-script for the simulation, are available as supplementary material and can be obtained under the

DOI: 10.14464/gammas.v1i1.417.

If the source code is not shared, a simple statement should be given for explanation, e.g., for license issues, non-disclosure agreements or trade secrets. For *best practices* for code we refer to [1].

Acknowledgements: If you received any funding for carrying out the reported research, you should list the funding agencies and (if applicable) the project and project number.

A Appendix

This is an (optional) appendix.

References

[1] J. Fehr, J. Heiland, C. Himpe, and J. Saak. Best practices for replicability, reproducibility and reusability of computer-based experiments exemplified by model reduction software. *AIMS Mathematics*, 1(3):261–281, 2016. doi: 10.3934/Math.2016.3.261.

[2] Nicholas J. Higham. *Handbook of Writing for the Mathematical Sciences*. Miscellaneous Titles in Applied Mathematics Series. Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, third edition, 2020. ISBN 978-1-611976-09-0.

[3] D. Kern, M. Bartelt, and B. Unger. How to write an article for GAMMAS and a longer title. *GAMM Archive for Students*, 1:1–6, 2019. doi: 10.14464/gammas.v1i1.417.