

Instructions for Authors

TYPES OF PAPERS

The journal accepts the following type of contributions: original articles, technical notes (normally not more than four printed pages), comments referring to published papers in this journal (normally not more than two printed pages) and reviews.

MANUSCRIPT SUBMISSION

Manuscript Submission

Submission of a manuscript implies: that the work described has not been published before; that it is not under consideration for publication anywhere else; that its publication has been approved by all co-authors, if any, as well as by the responsible authorities – tacitly or explicitly – at the institute where the work has been carried out. The publisher will not be held legally responsible should there be any claims for compensation.

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The title page should include:

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- A concise and informative title
- The affiliation(s) and address(es) of the author(s)
- The e-mail address, and telephone number(s) of the corresponding author
- If available, the 16-digit ORCID of the author(s). It is strongly recommended that authors without an ORCID should apply via <https://orcid.org/register>

Abstract

Please provide an abstract of 150 to 250 words. The abstract should not contain any undefined abbreviations or unspecified references. The abstract should include a summary of the main findings of the study; it is not an introduction.

Keywords

Please provide 4 to 6 keywords which can be used for indexing purposes.

TEXT

Text Formatting

Manuscripts should be submitted in LaTeX. Please use Springer's LaTeX macro package and choose the formatting option "twocolumn".

The submission should include the original source (including all style files and figures) and a PDF version of the compiled output.

- [LaTeX macro package \(zip, 182 kB\)](#)

Word files are also accepted, however, papers with a significant number of equations (ten or more equations) are strongly recommended to use LaTeX.

Headings

Please use the decimal system of headings with no more than three levels.

Abbreviations

Abbreviations should be defined at first mention and used consistently thereafter.

Footnotes

Footnotes can be used to give additional information, which may include the citation of a reference included in the reference list. They should not consist solely of a reference citation, and they should never include the bibliographic details of a reference. They should also not contain any figures or tables.

Footnotes to the text are numbered consecutively; those to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data). Footnotes to the title or the authors of the article are not given reference symbols.

Always use footnotes instead of endnotes.

Acknowledgments

Acknowledgments of people, grants, funds, etc. should be placed in a separate non-numbered section at the end of the paper before the reference list. The names of funding organizations should be written in full. Academic and honorific titles (Dr., Prof., Mr, Mrs., Ms., etc.) should not be used in acknowledgments. Dedications are not permitted.

SPECIFIC REMARKS

Appendices

If there is more than one appendix, they should be numbered consecutively (Appendix 1, Appendix 2, etc.). Equations in appendices should continue the consecutive numbering of those in the main body of the paper, e.g., if the last equation in main paper is (33), the first equation in the appendix should be (34).

SCIENTIFIC STYLE

- Units: Please adhere to internationally agreed standards such as those adopted by the commission of the International Union of Pure and Applied Physics (IUPAP) or defined by the International Organization of Standardization (ISO).
- Please always use internationally accepted signs and symbols for units, SI units. Units should be Roman/upright, not italic. Use a single, non-breaking space between number and unit, e.g., in LaTeX, 5~mm.
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Nondimensional parameters denoted by two letters (Re, Pr, Kn, etc.) should be Roman/upright. If Reynolds number is a function of position x , Re_x should be used.

Mach number should be italic M . Do not use Ma for Mach number; Ma is reserved for nondimensional Marangoni number.

REFERENCES

Citation

Reference citations in the text should be identified by numbers in square brackets. Some examples:

1. Negotiation research spans many disciplines [3].
2. This result was later contradicted by Becker and Seligman [5].
3. This effect has been widely studied [1-3, 7].

Reference list

The list of references should only include works that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text. Do not use footnotes or endnotes as a substitute for a reference list. List all authors, i.e., “et al.” should not be used. Provide the DOI link for all references for which the DOI link exists.

The entries in the list should be numbered consecutively following the order in which they appear in the paper.

- Journal article

Hamburger, C.: Quasimonotonicity, regularity and duality for nonlinear systems of partial differential equations. *Ann. Mat. Pura Appl.* **169**, 321–354 (1995). <https://doi.org/10.1007/BF01759359>

- Conference paper

AIAA paper:

Barth, T., Jespersen, D.: The design and application of upwind schemes on unstructured meshes. 27th Aerospace Sciences Meeting, Reno, NV, AIAA Paper 1989-366 (1989). <https://doi.org/10.2514/6.1989-366>

Combustion symposium paper (after 1999):

Wolanski, P. Detonative propulsion. *Proceedings of the Combustion Institute* **34**(1), 125{158 (2013). <https://doi.org/10.1016/j.proci.2012.10.005>

Combustion symposium paper (prior to 1999):

Meyer, J.W., Oppenheim, A.K. On the shock-induced ignition of explosive gases. *Symposium (International) on Combustion* **13**(1), 1153-1164 (1971). [https://doi.org/10.1016/S0082-0784\(71\)80112-1](https://doi.org/10.1016/S0082-0784(71)80112-1)

ICDERS paper:

Gaathaug, A., Vaagsaether, K., Bjerketvedt, D.: Detonation failure in stratified layers - the influence of detonation regularity. 26th International Colloquium on the Dynamics of Explosions and Reactive Systems, Boston, MA, Paper 908 (2017)

Detonation Symposium Paper:

Finger, M., Hornig, H.C., Lee, E.L., Kury, J.W.: Metal acceleration by composite explosives. 5th International Symposium on Detonation, pp. 137-152. Office of Naval Research (1970)

- Book

Geddes, K.O., Czapor, S.R., Labahn, G.: Algorithms for Computer Algebra. Kluwer, Boston (1992).
<https://doi.org/10.1007/b102438>

- Book chapter or paper in ISSW proceedings
Broy, M.: Software engineering — from auxiliary to key technologies. In: Broy, M., Denert, E. (eds.) Software Pioneers, pp. 10–13. Springer, Heidelberg (2002). https://doi.org/10.1007/978-3-642-59412-0_1

- Online document

Cartwright, J.: Big stars have weather too. IOP Publishing PhysicsWeb.
<http://physicsweb.org/articles/news/11/6/16/1> (2007). Accessed 26 June 2007

Always use the standard abbreviation of a journal's name according to the ISSN List of Title Word Abbreviations, see

- [ISSN.org LTWA](#)

If you are unsure, please use the full journal title.

For authors using EndNote, Springer provides an output style that supports the formatting of in-text citations and reference list.

- [EndNote style \(zip, 2 kB\)](#)

TABLES

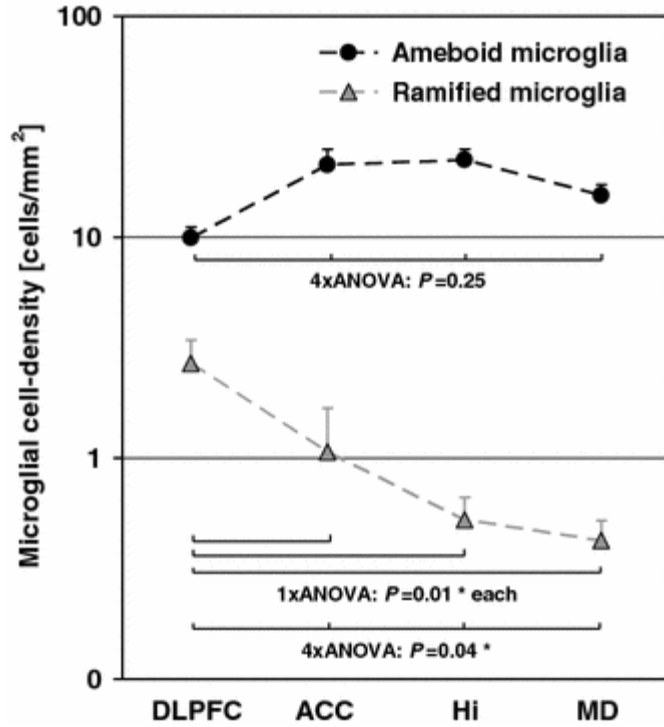
- All tables are to be numbered using Arabic numerals.
- Tables should always be cited in text in consecutive numerical order.
- For each table, please supply a table caption (title) explaining the components of the table.
- Identify any previously published material by giving the original source in the form of a reference at the end of the table caption.
- Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data) and included beneath the table body.

ARTWORK AND ILLUSTRATIONS GUIDELINES

Electronic Figure Submission

- Supply all figures electronically as separate files.
- Indicate what graphics program was used to create the artwork.
- For vector graphics, the preferred format is EPS or PDF. EPS and PDF vector graphics can be generated from most drawing and plotting software by “save to PDF or EPS” or “print to PDF or EPS”. These files can then be submitted separately.
- For raster/bitmapped images (less preferred), please use PNG or TIFF format. MSOffice files are also acceptable.
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- Name your figure files with "Fig" and the figure number, e.g., Fig1.eps.

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- Definition: Black and white graphic with no shading.
- Do not use faint lines and/or lettering and check that all lines and lettering within the figures are legible at final size.
- All lines should be at least 0.1 mm (0.3 pt) wide.
- Vector graphics (preferred) containing fonts must have the fonts embedded in the files.
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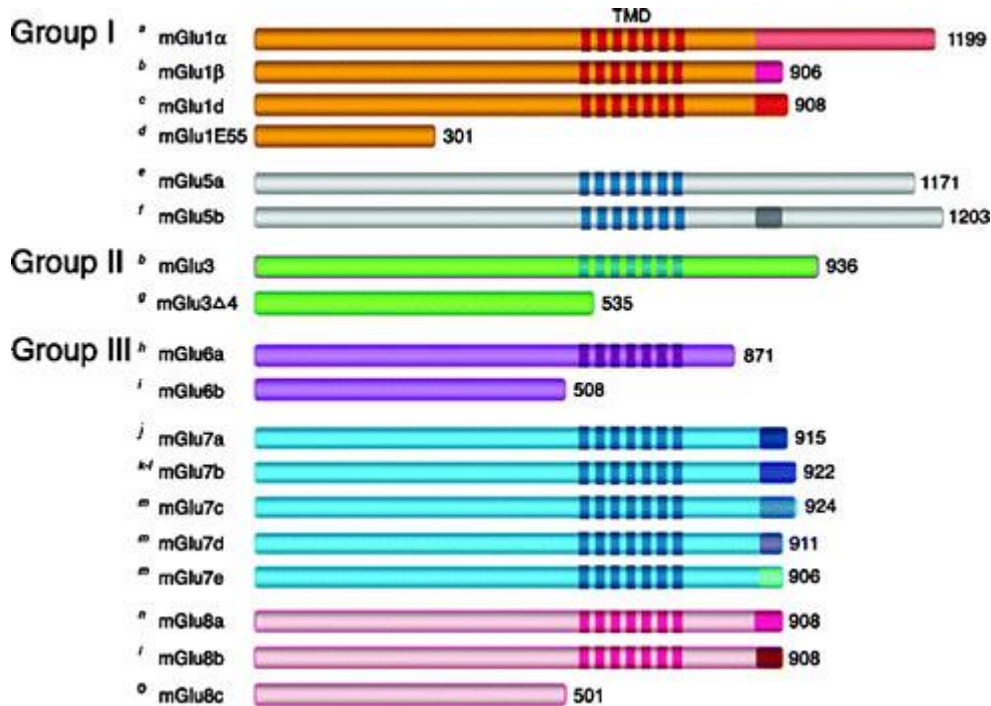
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Color Art

- Color art is free of charge for online publication.
- If black and white will be shown in the print version, make sure that the main information will still be visible. Many colors are not distinguishable from one another when converted to black and white. A simple way to check this is to make a xerographic copy to see if the necessary distinctions between the different colors are still apparent.
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- Color illustrations should be submitted as RGB (8 bits per channel).

Figure Lettering

- To add lettering, it is best to use Helvetica or Arial (sans serif fonts).
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- No punctuation is to be included after the number, nor is any punctuation to be placed at the end of the caption.
- Identify all elements found in the figure in the figure caption; and use boxes, circles, etc., as coordinate points in graphs.
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- Submit your material in PDF format; .doc or .ppt files are not suitable for long-term viability.
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