Title

Name Firstauthor [](https://orcid.org/1111-1111-1111-1111)\* 1, Name Secondauthor [](https://orcid.org/2222-2222-2222-2222) 2, Name Thirdauthor [](https://orcid.org/3333-3333-3333-3333) 1,3

1Department of Earth Sciences, A University, City, Country, 2School of Earth Sciences, Another University, City, Country, 3Center for Studying Cool Things, University of X, City, Country

Author contributions: Conceptualization: N. Firstauthor, N. Thirdauthor. Formal Analysis: Name Firstauthor, Name Secondauthor. Writing - original draft: N. F.

Abstract

Main abstract in English. 200 words max. No references. Geomorphica allows up to three abstracts (200 words max in all cases). The second and third abstracts give authors the possibility of writing an abstract in a different language. These abstracts must appear above the non-techincal summary.

Résumé

Le résumé de l'article doit aller dans cet espace. La limite de texte est de 200 mots.

Resumen

El resumen del artículo va en este espacio. El límite de texto es de 200 palabras.

Non-technical Summary

Please include a summary of the paper intended for a non specialist audience. This should be no longer than 200 words and should avoid jargon as much as possible.

1. Preparing and submitting your manuscript

All articles must include an abstract, author ORCIDs and author contributions, a data and code availability statement, and a list of references. The ORCID icons following author names may be copy-pasted but make sure you change their hyperlink (Right-click on ORCID logo 🡪 Edit link 🡪 Enter each author’s ORCID number in the Adress field using the URL format provided). The author contributions should be listed according to the CRediT roles defined at <https://casrai.org/credit>. Use as many as necessary; there is no need to use all 14 roles.

Manuscripts must be uploaded as two separate files. The first file must include all the information associated with the authors and their affiliations but another file must be uploaded without this information for anonymous review. Full author guidelines are available in our website ([www.geomorphica.org](http://www.geomorphica.org)).

Section names are at the discretion of the authors. A simple structure for an article would include an Introduction, Methods and Data, Results, Discussion, and Conclusions, but authors are encouraged to choose a structure that best presents their work.

* 1. Bibliographic citations

In the text of an article, citations may either be in-line, as in the case of citing Metropolis and Ulam (1949), or in parentheses (e.g., Metropolis and Ulam, 1949), as appropriate. All citations in the text must be listed in the references section, and all listed references must be cited at least once in the text.

* 1. Headings
     1. Subsubsection

Three levels of section headings is the maximum - no paragraphs and no subparagraphs, please! Note that footnotes are not permitted.

* 1. Figures and Tables

Figures should be labeled, captioned, and referenced within the text (e.g., Fig. 1 and Figs 1a, b, 2c). When an article is accepted, separate full-resolution files must be uploaded for each figure. While Figure 1 is a custom width figure, Figure 2 is a full-width figure.

**Table 1** Caption

|  |  |  |  |
| --- | --- | --- | --- |
| Experiment ID | Flow [m3/s] | Grain Size [mm] | Froude Number |
| A | 0.005 | 2 | 0.2 |
| B | 0.010 | 2 | 0.4 |

Table 1 (use Tables if several tables) is an example of a relatively simple table. We strongly encourage authors to put tables in. Supplementary Materials, and/or into a csv or similar format, upload them to a data repository such as zenodo, and reference them in the section on data availability instead of including them in the article itself.

A picture containing line, origami, design

Description automatically generated

**Figure 1** This is an example of a figure caption.

A picture containing line, origami, design

Description automatically generated

**Figure 2** This is a caption on a wider figure.

* 1. Equations

Equations can be included in the text and should be labeled so they can be referenced. One example is the Shields number typically denoted by or and given by Equation 1:

where is a dimensional shear stress, is the density of the sediment, is the density of the fluid, is the acceleration of gravity, is a characteristic particle diameter of the sediment.

Please type vectors and matrices in bold:

* 1. Code

Code examples should be concise and descriptive. They should introduce core functionality or specific syntax and should be included using the lstlisting environment. Note that lines longer than 45 characters will be broken when using the prepress option. Extended examples or use cases should be uploaded separately. Individual words of code can be written inline, for example:

To improve stability of the inversion, the Model object accepts the strict keyword, which disables piecewise linear approximation of the target function (Listing 1).

**Listing 1** Example use of Model

|  |
| --- |
| #2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4|  import mymodule as mm  model = mm.Model(strict=True)  mdls = model.perturb()  for mdl in mdls:  var = mdl.get\_variance() |

Acknowledgements

Thank all relevant parties and acknowledge funding sources, if any. Make sure that this section maintains the identity of the authors anonymous for the review process. It may be omitted for the initial submission and included post-acceptance.

Data and code availability

Authors should direct readers to an open access repository where data and code used in the study are made available. Zenodo, figshare, and Dryad are examples of repositories where authors can archive their data and code. Citations for datasets and codes should be included in the references. Github is not considered a persistent repository, and we encourage authors to archive a snapshot of any github-hosted code on Zenodo. Inclusion of this section might prevent a fully anonymized review but Geomorphica encourages reviewers to only access it if strictly needed and after an initial, un-biased assessment of the manuscript has been done.

Competing interests

Declare any competing interests, financial or otherwise, pertaining to any of the authors. If there are none, state that the authors have no competing interests.

References

Metropolis, N. and Ulam, S. The Monte Carlo Method. Journal of the American Statistical Association, 44(247):335–341, Sept. 1949. doi: 10.1080/01621459.1949.10483310.3

If the article is accepted, a separate references file must be uploaded along with the manuscript and separate figure files. When available, DOI numbers must be provided for all references, including datasets and codes.