

# Discover Maple Transactions

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# I always make this announcement: Maple Transactions

## **Maple Transactions**

an open access journal with no page charges  
mapletransactions.org

We welcome expositions on topics of interest to the Maple community, including in computer-assisted research in mathematics, education, and applications. Student papers especially welcome.

**If you are an Associate or Senior Editor you should be making this announcement when you give talks, too**

# The need for a journal like Maple Transactions

- Open access: see e.g. [link] the work of Teresa Gomez-Diaz and Tomás Recio not only for content but also as a data point on new ways of publishing; but Maple Transactions should be for *our* community
- Sustainability (low cost, low environmental cost)
- Archival publications to be *read* and *interacted with*, not (just) as a line on a CV. They should be **worth reading** (or listening to, or executing, or adapting, or “mixing from”)
- Opening a way to learn from each of the many communities within the Maple community

## Some example papers

For example, see

[Link] Peter J. Baddoo and Lloyd N. Trefethen. *Log-lightning computation of capacity and Green's function*.

<https://doi.org/10.5206/mt.v1i1.14124> (In the  $\text{\LaTeX}$  template for the journal)

[Link] There is also a transcript of an interview with these authors, conducted by Annie Cuyt.

[Link] Veselin Jungić, Two-Eyed Seeing

<https://doi.org/10.5206/mt.v2i1.15186> (A Microsoft Word paper, on mathematics education; invited lecture at the 2021 Maple Conference)

## A Remark on Math Education papers

Veso's paper mentioned above has the (to date) highest rate of readership: other papers that were published earlier have more total downloads so far, but his paper is now near the top.

Other math ed papers are also popular.

Obviously you, the readers of Maple Transactions, like papers like this. We are gratified by that, and we want to encourage more papers of this quality on topics of such general interest.

We don't have so many applications papers so far. Please send us more.

Our first *Student paper* was [Link] Ewan Brinkman et al, The Theodorus Variation which had another video abstract.

Ewan was (at the time) a first-year student in Computer Science at Simon Fraser University.

# The Proceedings of the Maple Conference

This year's deadlines are:

Submission by November 27 2023 (one month from now).

We aim to have notification of acceptance/rejection by January 31 2024.

The  $\text{\LaTeX}$  template on Overleaf makes things simpler; the Microsoft Word template on the website ([mapletransactions.org](http://mapletransactions.org) and follow the links to instructions for authors) is also a possibility. Maple worksheets/documents/workbooks are also possible.



## A policy change

Up until now, we have been waiting and collecting papers and publishing an issue “all at once.” We had felt that this was better, but given the circumstances (waves pointedly in all directions at once) we have decided that, starting next regular issue (after the Proceedings issue), *we will publish articles\** as they are ready.

\* papers, videos, active documents such as Maple workbooks (delivered by the Maple Cloud)

# Jupyter notebooks

Since 2022 Maple has been linkable as a kernel to Jupyter notebooks. This means that articles can potentially be published as such. Right now we are evaluating

- Direct publication as a Jupyter notebook
- Publication by some flavour of Jupyter Book
- Use of new software such as [\[link\]](#) Curvenote

Each option seems to have advantages and disadvantages. For example, plain Jupyter notebooks are very portable, and passably readable. Jupyter Book is more professional in appearance, but requires special handling for figures. We don't know Curvenote yet; it was recommended to us by Deyan Ginev.

## An example (under development)

See [link] Two-cycles in the infinite exponential tower . This is joint work with David Jeffrey and with our student, Johan Joby. We expect this will appear in an upcoming Maple Transactions issue. But really we are developing the format right now: your opinion and ideas will be important.

**Maybe an appropriate point to pause for discussion**

## Another announcement

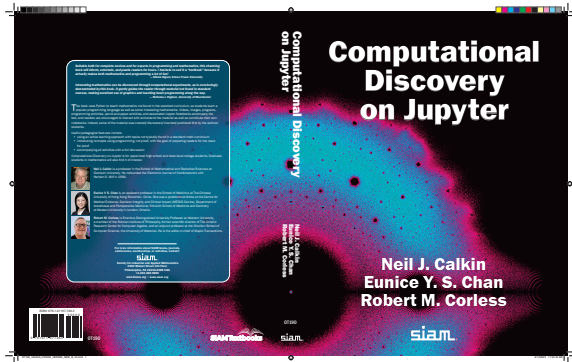


Figure 1: A new book from SIAM: Calkin, Chan, & Corless, “Computational Discovery on Jupyter”, hopefully available November

Thank you

Thank you for listening!