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Personal Site

 Website: <https://research.carolin-zoebelein.de/public.html#Bibliography>

 pdf: <https://research.carolin-zoebelein.de/files/bibliography.pdf>

 bib: <https://research.carolin-zoebelein.de/files/bibliography.bib>

Bibliography

Publications

- [3] C. Zöbelein. "BlueTransience". In: *Authorea* (2020). Proposal, <https://doi.org/10.22541/au.161676845.56300213/v1>, TeX: <https://github.com/Samdneyp/proposal-bluetransience>. DOI: 10.22541/au.161676845.56300213/v1. URL: <https://doi.org/10.22541/au.161676845.56300213/v1>.
- [2] C. Zöbelein. "About the proof of the Collatz conjecture". In: (2013). Preprint, TeX: <https://github.com/Samdneyp/paper-collatz>. URL: <https://arxiv.org/abs/1303.2073>.
- [1] C. Zöbelein. *Dirac Observablen in der Kosmologie (engl.: Dirac-Observables in cosmology)*. Bachelor Thesis. 2013.



Drafts

Includes: Papers under some NDA, in preparation for freeing, Papers submitted but still in feedback loop, and Papers in progress

- [6] C. Zöbelein. "Working title: Collatz maps and binary tree representations". In: (Open). Draft.

¹Currently, I'm updating all my online portfolio (cv, bibliography, as well as projects list (<https://research.carolin-zoebelein.de/files/projectsbib.pdf>)) every few days. Freeing NDA work, adding old and current work, etc.. So, please check it out regularly and have a look at the last update date! :)

- [5] C. Zöbelein. "Sums, products and property labeling along the edges of a dynamical hypergraph". In: (Open). Draft.
- [4] C. Zöbelein. "HG-hybrid graphs". In: (Open). Draft.
- [3] C. Zöbelein. "Powers of 2 whose digits are powers of 2". In: (Open). Draft.
- [2] C. Zöbelein. "Dynamical decomposition by clique separators on hypergraphs". In: (Open). Draft.
- [1] C. Zöbelein. "Working title: Primitive data structures for the 3SUM and k-SUM problem." In: (Open). Draft.

Software

- [2] C. Zöbelein. *rm-mathrec*. Version 0.1 beta. A Linux toolset for the Remarkable 2 tablet, which enables math handwriting recognition and LaTeX generation via Mathpix. 2024.
- [1] C. Zöbelein. *ir-watcher-alert*. Version 0.1 beta. Webcam Linux app warns you with a notification, when someone is detected watching from behind. 2024.

Non-Scientific

Software

- [2] C. Zöbelein. *Cool Down*. Version 1.0. Health & Fitness. Android app. Java. Includes advertising. App for your mental health which wants to help you to conquer bad emotional times. Sept. 2018.
- [1] C. Zöbelein. *Catchy Balls*. Version 1.0. Casual Game. Android app. Java. Includes In-App purchases. Catch all the balls which have the shown color and get points. June 2018.