

How & what to cite in a scientific publication

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AQTIVATE



MATHEMATICAL MODELLING,
ANALYSIS AND
COMPUTATIONAL MATHEMATICS



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Conjecture (Goldbach 1742)

Every even number larger than 2 is the sum of two primes

- ▶ $4 = 2 + 2$
- ▶ $6 = 3 + 3$
- ▶ $8 = 5 + 3$
- ▶ $42 = 37 + 5$
- ▶ etc.

Has the conjecture been proven?

We ask

- ▶ Google
- ▶ arXiv
- ▶ journals [Journal number theory and applications](#)
- ▶ [Independent Academia](#)
- ▶ ChatGPT

Peer-reviewed journals and conferences

- ⊕ (anonymous) specialists review the submission and make a recommendation
- ⊕ editor will tell you: accept, minor changes, major changes, reject
- ⊕ often: article copy-edited prior to publication
- ⊖ reviewing and processing delays, restricted access

Preprint servers and “all-accept” conferences

- ⊕ timely and open access
 - sometimes: sanity check
 - sometimes: versioning
- ⊖ no review, no copy-editing, author's responsibility

FAIR

- ▶ findable
- ▶ accessible
- ▶ interoperable
- ▶ reproducible

Submitting to a peer-review journal:

- ▶ Every journal has a **style for bibliographies**
- ▶ You must conform to this style
- ▶ Every science has a standard for **journal/conference abbreviations**
 - ▶ **physics**
 - ▶ **mathematics**
 - ▶ **computer science conferences**

How to build your bibliography

- ▶ do it **now** and do it **right**
- ▶ use bibtex
- ▶ use a **tool** to build your bibliography: KBibTex
- ▶ for each reference: collect **complete information**
 - ▶ First names
 - ▶ doi
 - ▶ Full title
 - ▶ etc.
- ▶ bibtex users: use correct **capitalization**
- ▶ Ask your supervisor before you start
- ▶ whenever possible: use journal article, **not arXiv**

The bibliography of your thesis is your **business card** in academia