Some questions to ask one another:

- ❖ How did you plan/structure your device-free time? Did you pick a particular situation, like a car or a plane? Or just put your phone in your pocket?
- ❖ Did that work? How long did you last?
- ❖ Did it take a while to settle in?
- ❖ Did you get bored? Antsy? Resentful? Grumpy?
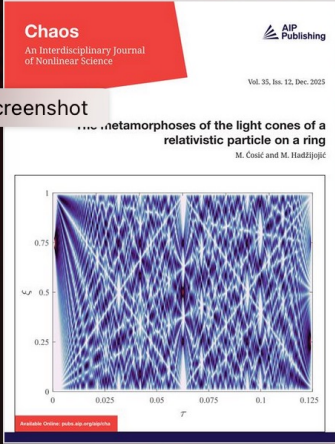- ❖ What did you notice (if anything) about the way you were thinking? Differences?

Where to look for research papers:

- Journals
- Conferences
- `arXiv` (and other "preprint servers," but `arXiv` is by far the most commonly used and comprehensive)

Journals

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Focus and Coverage

Chaos is devoted to increasing the understanding of nonlinear phenomena and describing the manifestations in a manner comprehensible to researchers from a broad spectrum of disciplines.

Read more about the journal

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https://pubs.aip.org/aip/cha

- Papers go through multiple rounds of review/revision by experts
- Acceptance rates: 10-20%
- In many fields, these are the gold standard.

Conference Proceedings

IJCAI
International Joint Conferences on
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Proceedings of the Thirty-Fourth International Joint Conference on Artificial Intelligence

Montreal, Canada

16-22 August 2025

with satellite event in Guangzhou, China 29-31 August 2025

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Edited by James Kwok

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- In some *but not all* conferences, papers go through one round of review
- Acceptance rates: vary wildly
- In some fields, especially some sub-areas of computer science, these are the gold standard.

`https://www.ijcai.org/proceedings/2025/`

Professional Societies

❖ The ones that I've mentioned:
  - APS www.aps.org
  - AIP www.aip.org
  - SIAM www.siam.org
❖ Computer science ones:
  - ACM www.acm.org
  - AAAI aaai.org
  - IJCAI www.ijcai.org
  - ...

https://www.mdpi.com/about/journals

- Some journals are run by *for profit* publishers
- Papers still undergo review, but the bar is generally lower
- Author cost: $O(10^3)$

Researchers have criticized Elsevier for its high profit margins and copyright practices.[7][8] The company had a reported profit before tax of £2.295 billion with an adjusted operating margin of 33.1% in 2023.[9] Much of the research that Elsevier publishes is publicly funded; its high costs lead to accusations of rent-seeking,[10] boycotts against the company, and the rise of alternate avenues for academic publication and access, such as preprint servers and shadow libraries.[11][12]

arXiv
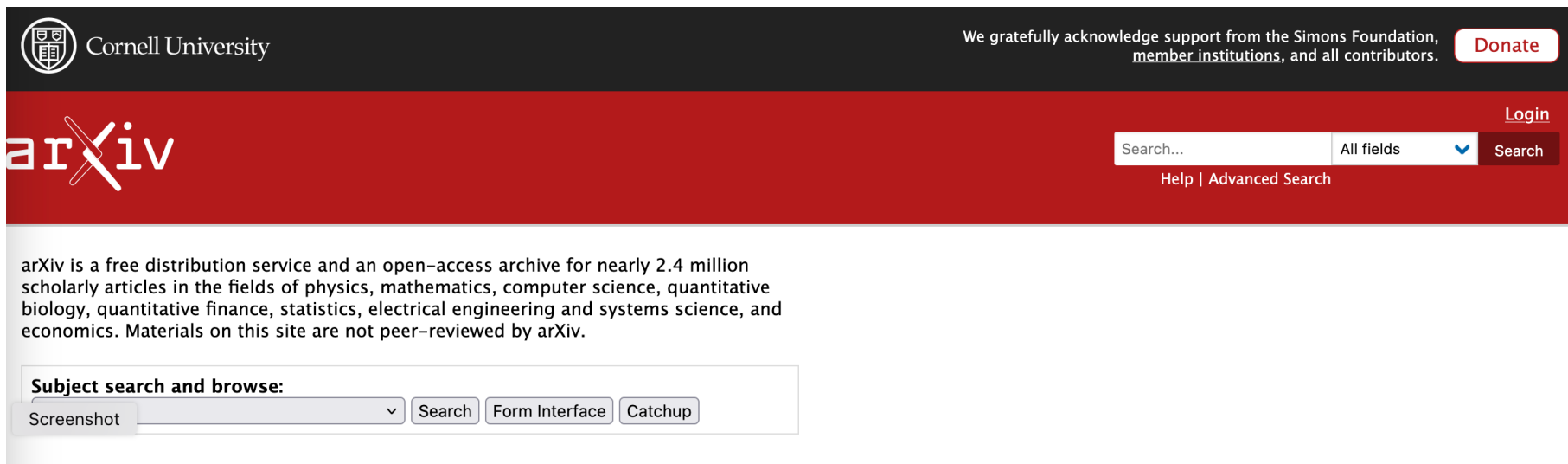
https://arxiv.org

- These papers are not reviewed; anyone can post one.
- Often used for "preprints" ... or to get your name on something quickly.
- There are other preprint servers but `arXiv` is the main one
- But in some fields, like astrophysics, this is where the good stuff is published!

Google Scholar: the one stop shop!

How many times this paper has been cited (tells you how its regarded)

(and you can click on these "cited by" entries to see those papers)

Elizabeth Bradley

Professor of Computer Science, University of Colorado
Verified email at colorado.edu - Homepage
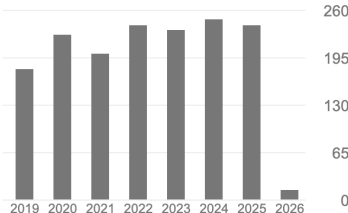
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TITLE	CITED BY	YEAR
Nonlinear time-series analysis revisited E Bradley, H Kantz Chaos: An Interdisciplinary Journal of Nonlinear Science 25 (9)	453	2015
Recurrence plots of experimental data: To embed or not to embed? JS Iwanski, E Bradley Chaos: An Interdisciplinary Journal of Nonlinear Science 8 (4), 861-871	329	1998
Positive mental health literacy: development and validation of a measure among Norwegian adolescents HN Bjørnsen, MEB Eilertsen, R Ringdal, GA Espnes, UK Moksnes BMC public health 17 (1), 717	261	2017
Reasoning about nonlinear system identification E Bradley, M Easley, R Stolle Artificial Intelligence 133 (1-2), 139-188	105	2001
Model-free quantification of time-series predictability J Garland, R James, E Bradley Physical Review E 90 (5), 052910	95	2014
Recurrence plots and unstable periodic orbits E Bradley, R Mantilla Chaos: An Interdisciplinary Journal of Nonlinear Science 12 (3), 596-600	81	2002

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