

arXiv update

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10⁶ & 2²⁰

- Passed 10⁶ articles in December 2014
- Passed 2²⁰ articles in June 2015
- Have ~1.5 versions per article

arXiv:1501.00001

- Id format change in January 2015 to allow >10k articles per month.
- March and June 2015 have had > 9,000 submissions
- Submission stats: http://arxiv.org/stats/monthly_submissions

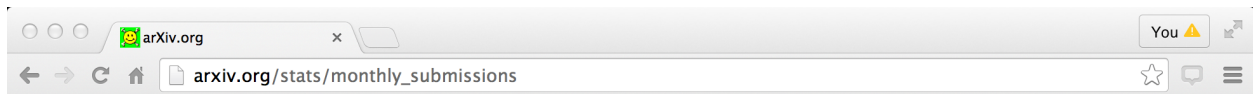
ORCID

- Can now link arXiv accounts to ORCID iDs (authenticated)
- Launched February 2015
- ORCID iDs being added at ~1k/month, now >6k
- http://arxiv.org/a/warner_s_1, or
- <http://arxiv.org/a/http://orcid.org/0000-0002-7970-7855>, or
- <http://arxiv.org/a/0000-0002-7970-7855>
- Further promote, make ORCID iD replace arXiv author id
- *More in afternoon session...*

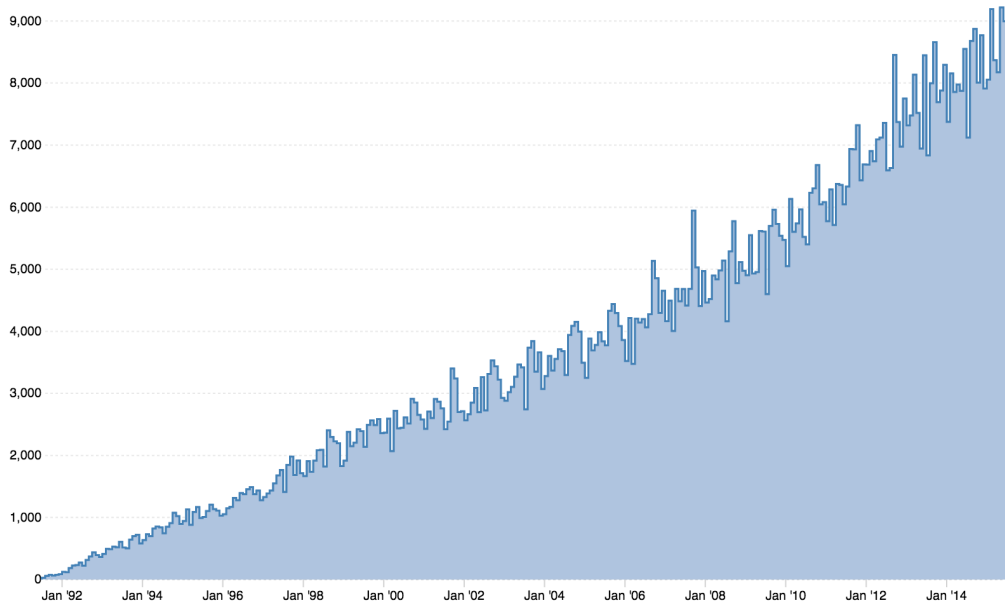
Scientific director

Chris Myers appointed interim [scientific director](#) in May 2014.

“Myers will contribute to arXiv’s scientific direction and policies and serve on both the Scientific Advisory Board and the Member Advisory Board. His work will complement that of Oya Rieger,... , who serves as the program director of arXiv, with responsibility for membership, business planning and managing the Library’s arXiv team.”



arXiv monthly submission rates [CSV]



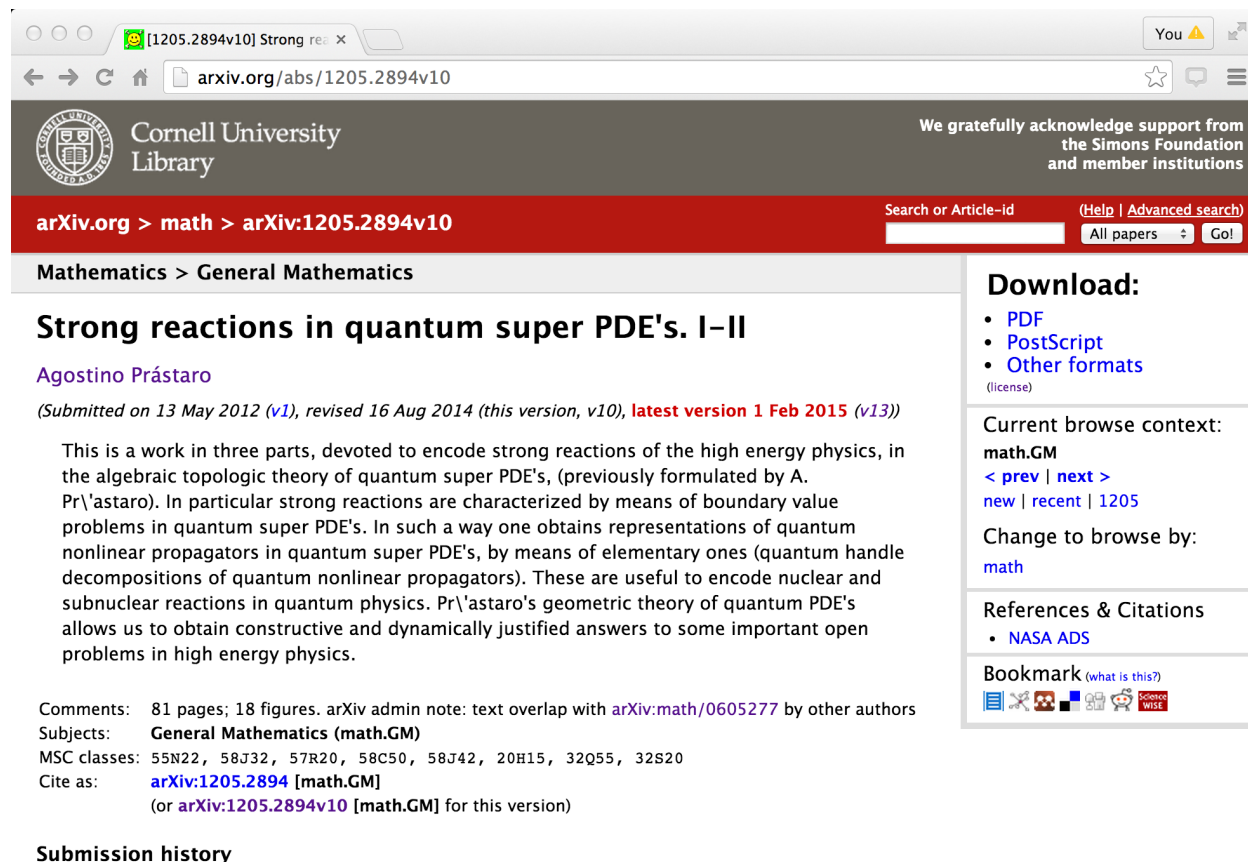
Blue: Number of new submissions received during each month since August 1991.
Hover over the graph to see the exact count for a given month.

Figure 1: arXiv monthly submissions through September 2015

Classifier use, overlap and plagiarism detection

Machine-learning based classifier developed and operated by Paul Ginsparg (arXiv founder, now Cornell Information Science & Physics) used to check user selected categories and to suggest alternatives.

Submissions checked against other arXiv submissions for overlap, heuristics developed by Paul Ginsparg and students determine whether plagiarism of self or others. Approx 400 papers flagged per month.



The screenshot shows the arXiv website interface. At the top, there is a navigation bar with the Cornell University Library logo and a search bar. The main content area displays the title "Strong reactions in quantum super PDE's. I-II" by Agostino Prástaro. Below the title, there is a summary of the paper and a list of subjects. The sidebar on the right contains a "Download:" section with options for PDF, PostScript, and Other formats. There is also a "References & Citations" section with a link to NASA ADS. The page includes a submission history section at the bottom.

Strong reactions in quantum super PDE's. I-II
Agostino Prástaro
(Submitted on 13 May 2012 (v1), revised 16 Aug 2014 (this version, v10), latest version 1 Feb 2015 (v13))

This is a work in three parts, devoted to encode strong reactions of the high energy physics, in the algebraic topologic theory of quantum super PDE's, (previously formulated by A. Prástaro). In particular strong reactions are characterized by means of boundary value problems in quantum super PDE's. In such a way one obtains representations of quantum nonlinear propagators in quantum super PDE's, by means of elementary ones (quantum handle decompositions of quantum nonlinear propagators). These are useful to encode nuclear and subnuclear reactions in quantum physics. Prástaro's geometric theory of quantum PDE's allows us to obtain constructive and dynamically justified answers to some important open problems in high energy physics.

Comments: 81 pages; 18 figures. arXiv admin note: text overlap with arXiv:math/0605277 by other authors
Subjects: General Mathematics (math.GM)
MSC classes: 55N22, 58J32, 57R20, 58C50, 58J42, 20H15, 32Q55, 32S20
Cite as: arXiv:1205.2894 [math.GM]
(or arXiv:1205.2894v10 [math.GM] for this version)

Submission history

Figure 2: arXiv:1205.2894 with overlap notice

Mirrors and other interfaces

- Continuing to reduce mirror network, does not serve users
- [Math Front](#) offline for a while because of id change, now operational again
- [arXiv Search Interface](#) developed by National Science Library, Chinese Academy of Sciences based on OAI-PMH metadata

Annotation experiments

Alfred P. Sloan grant with [Hypothes.is](#).

- Have made all arXiv trackback data (45k trackbacks on 30k articles) available as an [open dataset](#), and pushed to Hypothes.is as annotations.
- Laid foundation for annotation of arXiv articles by semantically connecting pages, PDF etc..
- ORCID connection of arXiv accounts will be leveraged with upcoming group annotation facilities at Hypothes.is to support discussion groups, journal clubs in addition to public/open annotation.

Donations

Pilot “donate” banner scheduled to go live for 9 days from 8 September.

Over past few years we have had a number of inquiries from organizations and individuals about donation to arXiv. Needed to establish understanding of donation purpose and scope, as separate from member supported budget to operate arXiv.

That’s all...