

Search v0.2

Start date: 24 Apr 2018; release date: 04 May 2018.

Source code: <https://github.com/cul-it/arxiv-search/releases/tag/0.2>

Improvements to author search and fixes to bugs from release 0.1. For additional details, see this blog post: <https://blogs.cornell.edu/arxiv/2018/05/04/release-search-v0-2-some-notes-on-names/>

Try the new search interface here: <https://arxiv.org/search>

Features & Improvements

- **Searching by author name:**
 - There is some confusion between how the classic author search works compared to the new author search, so we updated the documentation to clarify the differences.
 - Users expected to see better results when searching for multiple (co-)authors, and when searching by title/abstract terms and author names in "all fields". We have made significant improvements to cross-field searches.
 - Users had difficulty retrieving results for a specific author or set of authors, and avoiding spurious and unrelated results. We have simplified and improved the logic applied to author name searches to provide a narrower set of results and more predictable behavior overall.
- **Reintroduced (experimental) full-text search:** users were disappointed to see the classic experimental full-text search disappear, so we have reintroduced that option. The experimental full text search is not operated by the arXiv team, but we do plan to introduce in-house full text search later this year.
- **Tweaks to user interface:**
 - Some users found the small and light abstract text too hard to read; we have increased the font size and darkened the type.
 - Some mobile users were having trouble interacting with the advanced search form. We've made some adjustments to address those issues.

Bugs

- **Author search fixes:**
 - Fixed a problem that was causing trouble when searching for names that contain hyphens.
 - Fixed a problem that was causing unexpected results when searching by author name using initials.
 - Fixed a problem that was generating too many false positives in searches by author name.
- **Errors in handling certain characters:** fixed a bug that was causing errors when certain characters were entered.
- **Miscellaneous:**
 - Fixed an inconsistency in how we link to the abstract page and paper PDF in the search results.
 - Fixed a bug that prevented searching for papers that have classifications in categories that are no longer canonical.
 - Fixed a bug that caused a small set of papers to be missing from search results.