ASTROPHYSICS SOURCE CODE LIBRARY TIPS AND TRICKS

ALICE ALLEN
UNIVERSITY OF MARYLAND/ASCL

Astrophysics Source Code Library (ASCL) is...

Registry of codes used in research

Can serve as a repository

Indexed by ADS, Web of Science, and other indexers

ASCL registers codes…

… used in refereed articles
- articles submitted for refereeing
- accepted PhD theses

AND which has
- source code available for download without barriers

What do you get out of registering your software?

Unique identifier (ASCL ID)

ADS (Web of Science, Google Scholar...) entry

Trackable citation method

Increased discoverability

Code release improves research

" ...a hidden coding error fueled a seven-year dispute between two of condensed matter's top theorists." *Physics Today, 22 Aug 2018* "

" ... a change in a code researchers had not noticed led to incorrect results" M. Zorotovic, M. R. Schreiber and S. G. Parsons, A&A, Aug 2014

Tips and tricks

Retrieve a code quickly with its alias (*e.g.*, ascl.net/aplpy)

Download all of our public data (ascl.net/code/json)

See citations to ASCL entries using bibcode link in entry

Check out Related Materials listed on ADS

Search ADS for code (doctype:software)

Search ADS for code & keywords (doctype:software keyword:NASA)

More information

View online tutorial (https://tinyurl.com/ASCL2022tutorial/)

Read more about the ASCL (ascl.net/about) and its policies (ascl.net/wordpress/about-ascl/policies/)

Check out an interactive poster (https://tinyurl.com/ASCLposter)

Email me (aallen@ascl.net)

Thank you!