

Numba SciPy2020 tool updates

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## Becoming an expandable compiler

- More libraries using Numba, e.g.
  - Pandas 1.0
  - Awkward 1.0
- Massive refactoring effort
  - $\circ$  Reorganize code base  $\rightarrow$  easier for new developers
  - Drop old Python and old NumPy support & hacks!
- Improved extensibility
  - setuptools entrypoints → autoloaded extensions
  - composable pipeline passes → custom compilers
- Better error reporting system



## Growing the community

- > 1.4 million PyPI downloads/month
- 78 contributors last year
- Monthly open developer meetings
- Discourse forum: numba.discourse.group
- Working on a governance model to encourage new contributors and maintainers





## numba.pydata.org

Notebooks highlighting key features per release



