



# pyMOR Contribution Workflow

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## Communicating about pyMOR on GitHub

- Discussions
  - How to?
  - Should I open a PR to add this?
  - Why is my code not working as expected?
  - Feature requests
- Issues
  - Bug reports
  - Things that are missing
  - Reminders for things that should be done
- Pull requests
  - New features
  - Bug fixes
  - Changes to existing functionality

## Contributing to pyMOR in 10 steps

1. Fork the pyMOR repository.
2. Checkout a new branch in your fork.
3. Create a virtual environment (`python3 -m virtualenv venv`).
4. Install pyMOR in editable mode (`pip install -e .[full]`).
5. \*\*\*Add your code here (now)\*\*\*
6. Add tests for your code (maybe also a demo or even a tutorial) and run the tests locally (`make docker_test` or `make test`).
7. Open a pull request on GitHub.
8. Add a label (`pr:change`, `pr:deprecation`, `pr:fix`, `pr:new-feature`, `pr:removal`).
9. Ask for reviews.
10. Make sure that the CI pipeline passes (see next slide).

## Some of the components of pyMOR's CI pipeline

- Linter checks.
- Checks for autosquashing of commits, PR labels, and merge conflicts.
- Tests in `src/pymortests/` and demos in `src/pymordemos/` are executed in several different settings.
- Tutorials in `docs/source/` are used as additional tests.
- Documentation (available for inspection under <https://docs.pymor.org/list.html>) and wheels are built.
- Installation from different sources (wheels, from source, docker) is performed.

## Important things to remember when contributing

- Format your code according to [PEP8](#) ([flake8](#) and [pre-commit](#) hooks can help you).
- Document your code properly (to keep the good quality of our [API Reference](#)).
- Write useful commit messages, give keywords if possible, for instance  
[parameters] fix Mu.to\_numpy for empty Mu
- Provide a meaningful description for your pull request.
- Make sure that all tests pass (otherwise your pull request cannot be merged).

## Useful links

- pyMOR homepage: <https://pymor.org/>
- pyMOR documentation: <https://docs.pymor.org/latest/index.html>
- Developer documentation:  
[https://docs.pymor.org/latest/developer\\_docs.html](https://docs.pymor.org/latest/developer_docs.html)
- GitHub repository: <https://github.com/pymor/pymor>
- Discussions: <https://github.com/pymor/pymor/discussions>
- Issues: <https://github.com/pymor/pymor/issues>
- Pull requests: <https://github.com/pymor/pymor/pulls>

**Are there questions?**