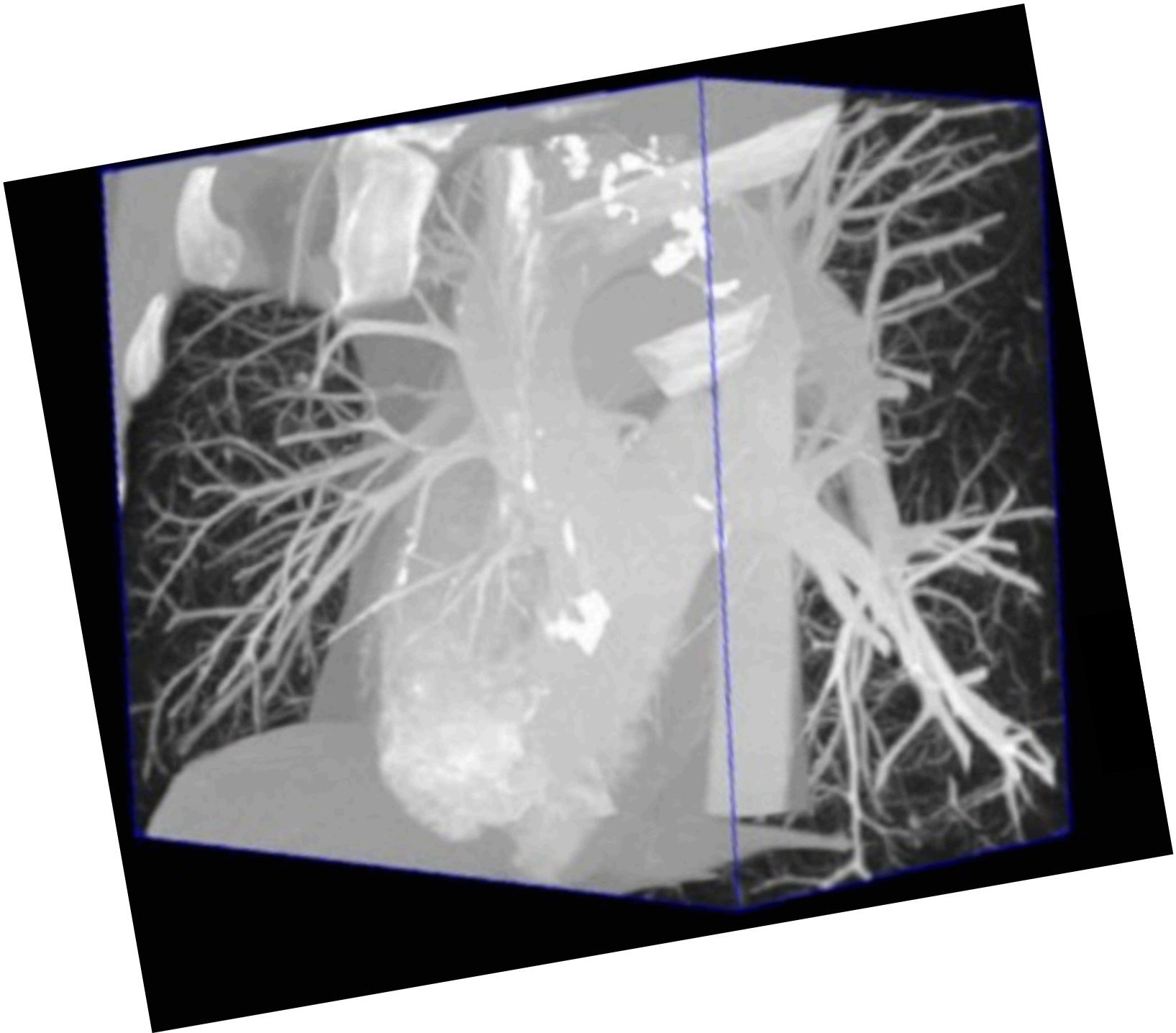
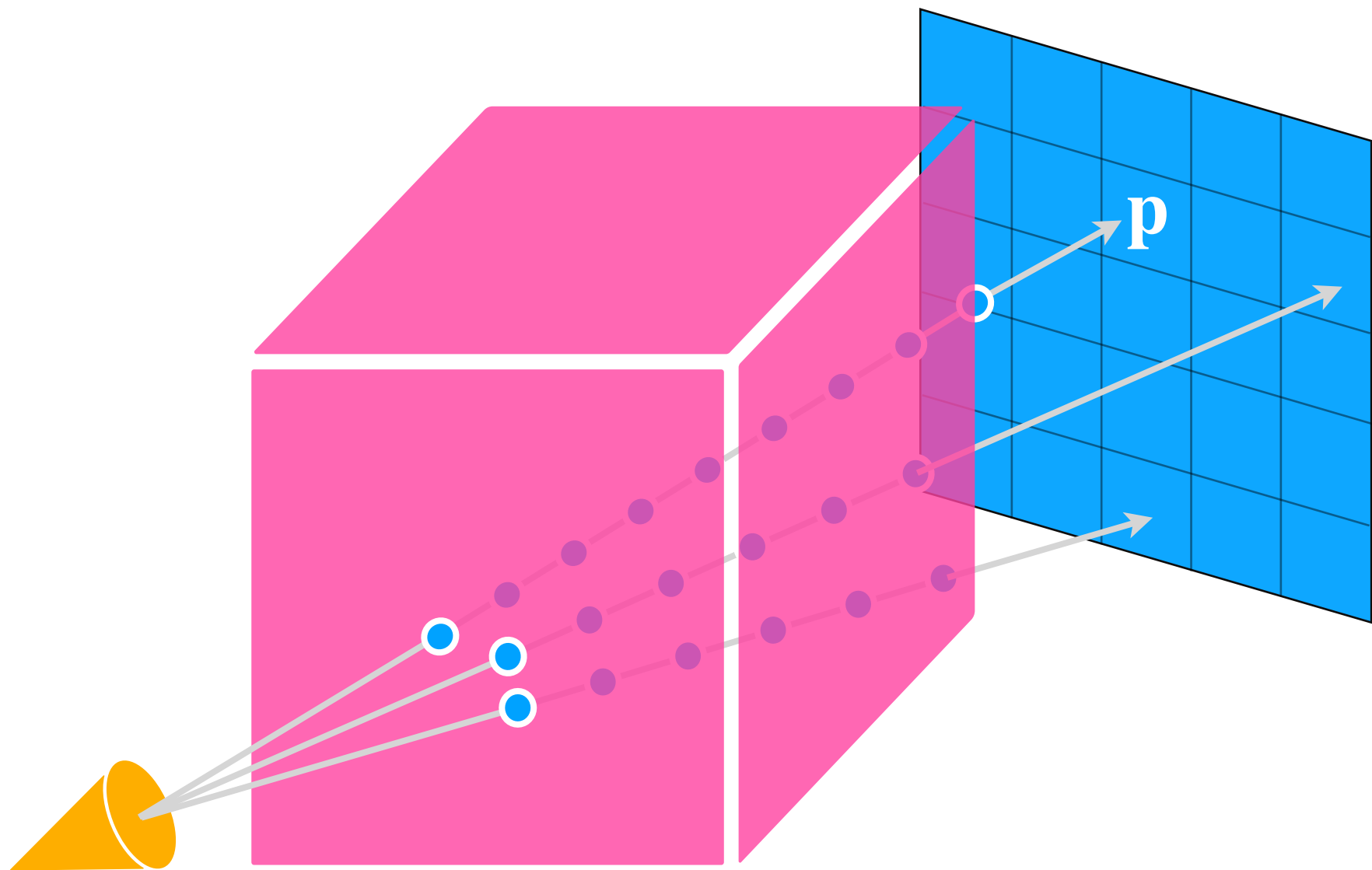
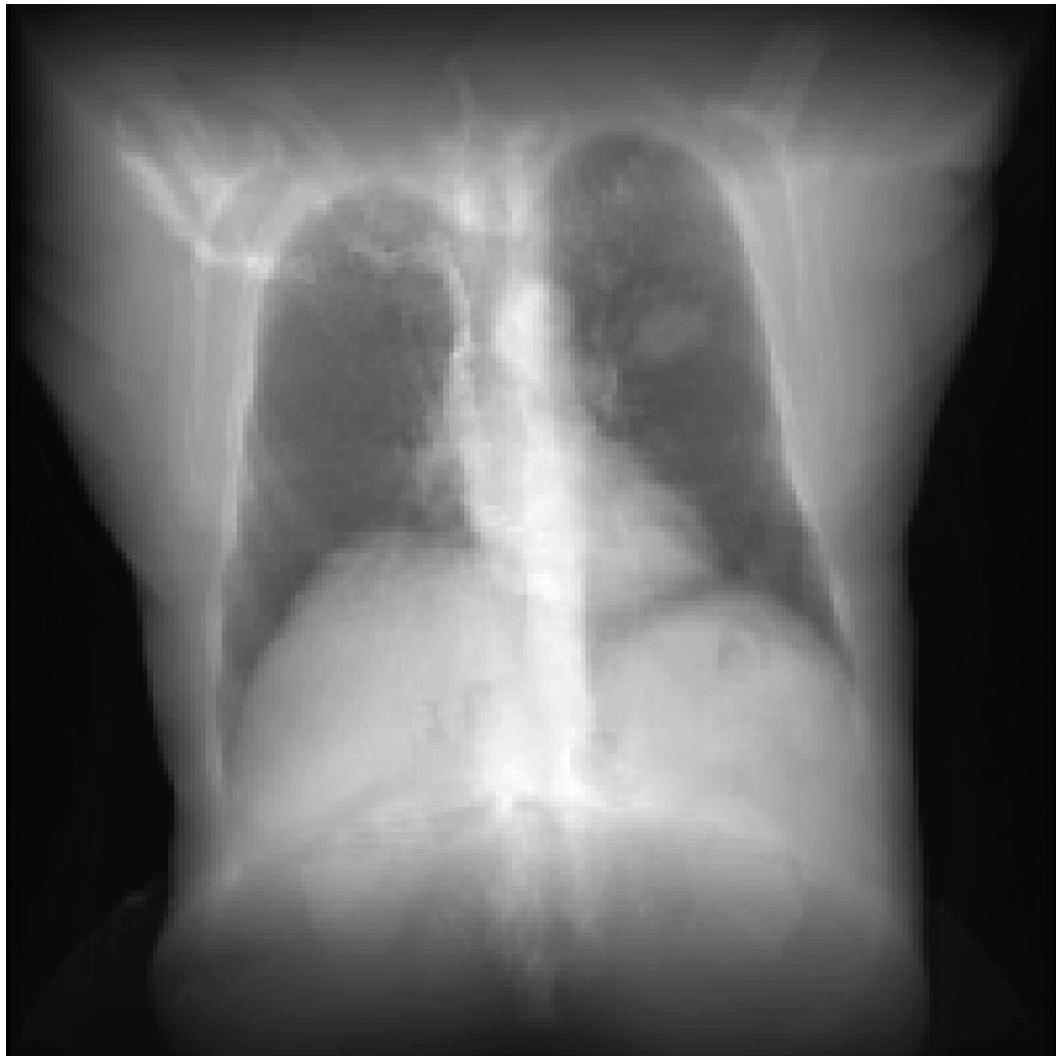


DRR = Digitally Restructured Radiograph

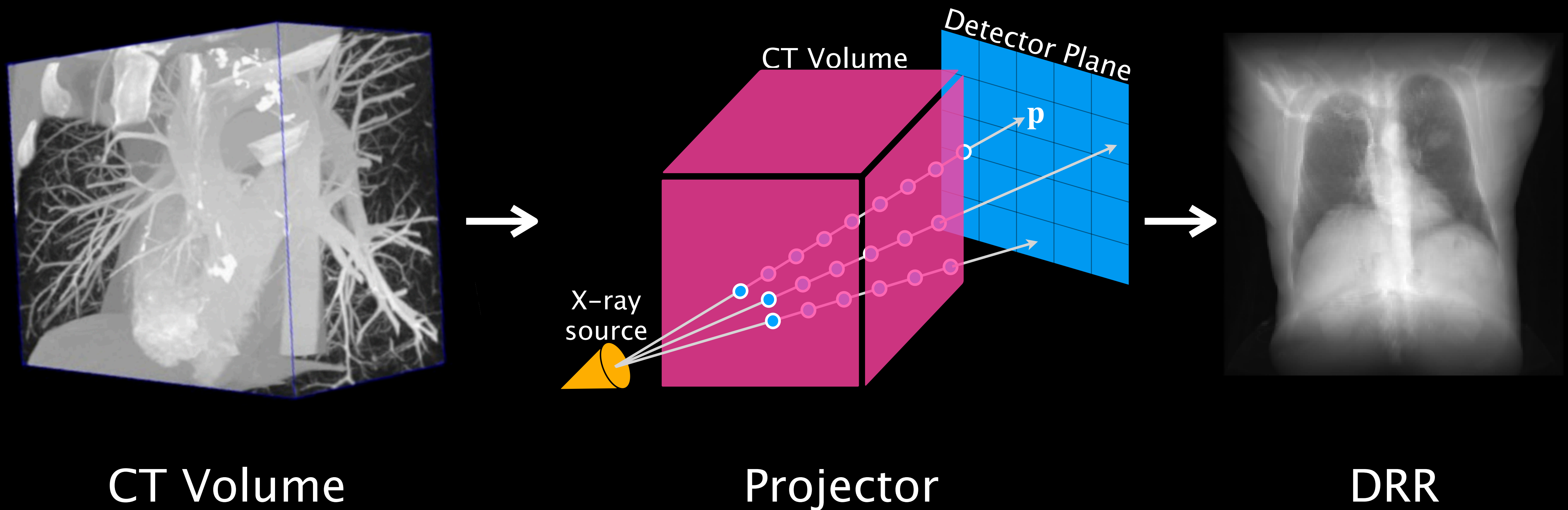






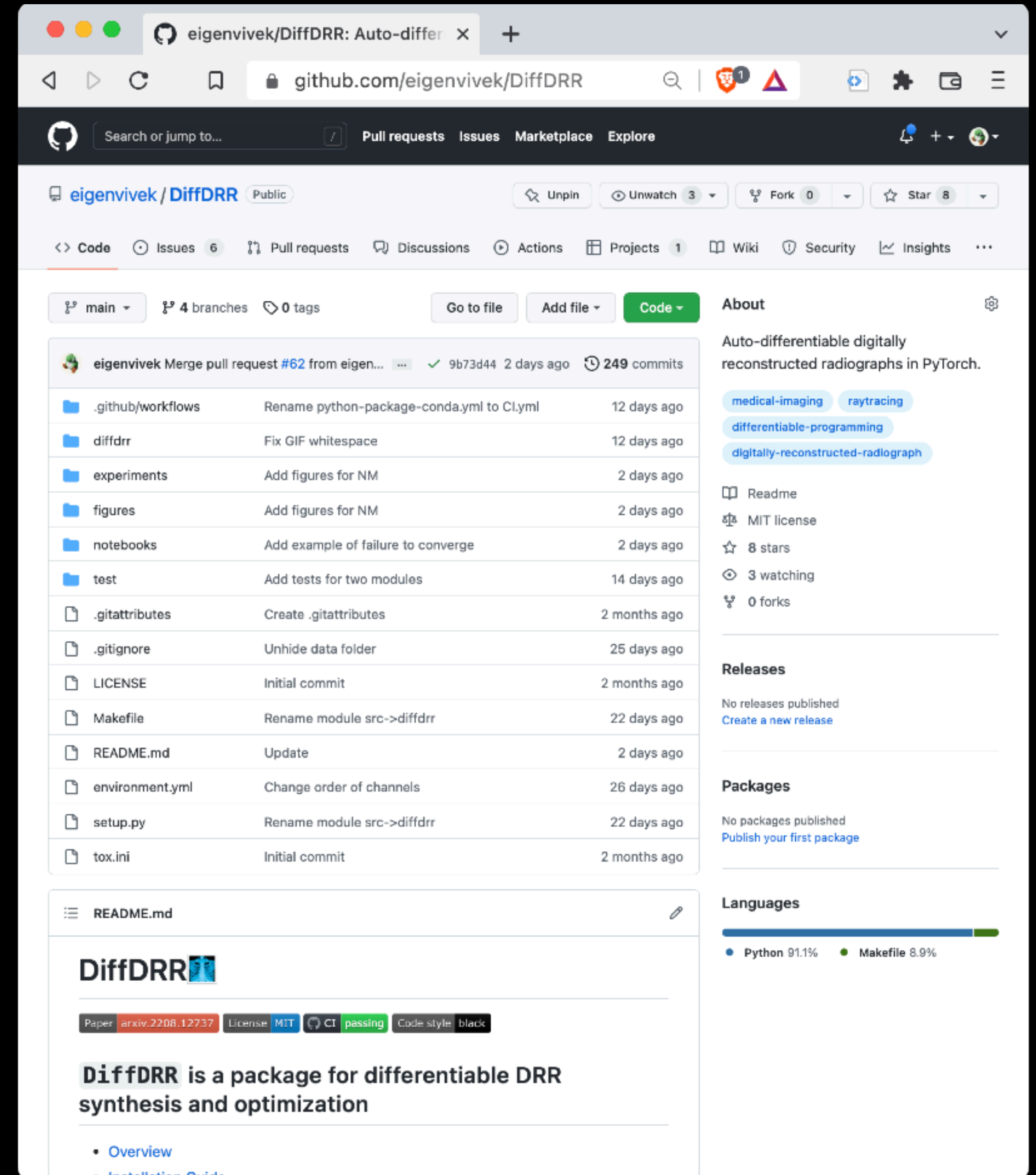
DRR = Digitally Reconstructed Radiograph

DRRs are simulated X-ray images created from CT volumes.



Why use DiffDRR?

 [eigenvivek/DiffDRR](https://github.com/eigenvivek/DiffDRR)



The screenshot shows the GitHub repository page for `eigenvivek/DiffDRR`. The repository is public and has 8 stars, 3 watchers, and 0 forks. It contains 4 branches and 0 tags. The repository description is "Auto-differentiable digitally reconstructed radiographs in PyTorch." The repository includes a README.md file, a LICENSE file, and a Makefile. The repository also has a pull request #62 from eigenvivek, which is merged. The repository is tagged with "medical-imaging", "raytracing", "differentiable-programming", and "digitally-reconstructed-radiograph".

Repository Details:

- Repository: `eigenvivek/DiffDRR` (Public)
- Stars: 8
- Watchers: 3
- Forks: 0
- Branches: 4
- Tags: 0

Repository Description: Auto-differentiable digitally reconstructed radiographs in PyTorch.

Repository Tags: `medical-imaging`, `raytracing`, `differentiable-programming`, `digitally-reconstructed-radiograph`

Repository Files:

File	Commit Message	Commit Date
<code>.github/workflows</code>	Rename python-package-conda.yml to CI.yml	12 days ago
<code>diffdrv</code>	Fix GIF whitespace	12 days ago
<code>experiments</code>	Add figures for NM	2 days ago
<code>figures</code>	Add figures for NM	2 days ago
<code>notebooks</code>	Add example of failure to converge	2 days ago
<code>test</code>	Add tests for two modules	14 days ago
<code>.gitattributes</code>	Create .gitattributes	2 months ago
<code>.gitignore</code>	Unhide data folder	25 days ago
<code>LICENSE</code>	Initial commit	2 months ago
<code>Makefile</code>	Rename module src->diffdrv	22 days ago
<code>README.md</code>	Update	2 days ago
<code>environment.yml</code>	Change order of channels	26 days ago
<code>setup.py</code>	Rename module src->diffdrv	22 days ago
<code>tox.ini</code>	Initial commit	2 months ago

Repository README:

DiffDRR

Paper: [arxiv.2208.12737](#) License: MIT CI: [passing](#) Code style: [black](#)

DiffDRR is a package for differentiable DRR synthesis and optimization

- [Overview](#)
- [Installation Guide](#)

Repository Statistics:

- Releases: No releases published. [Create a new release](#)
- Packages: No packages published. [Publish your first package](#)
- Languages: Python 91.1%, Makefile 8.9%