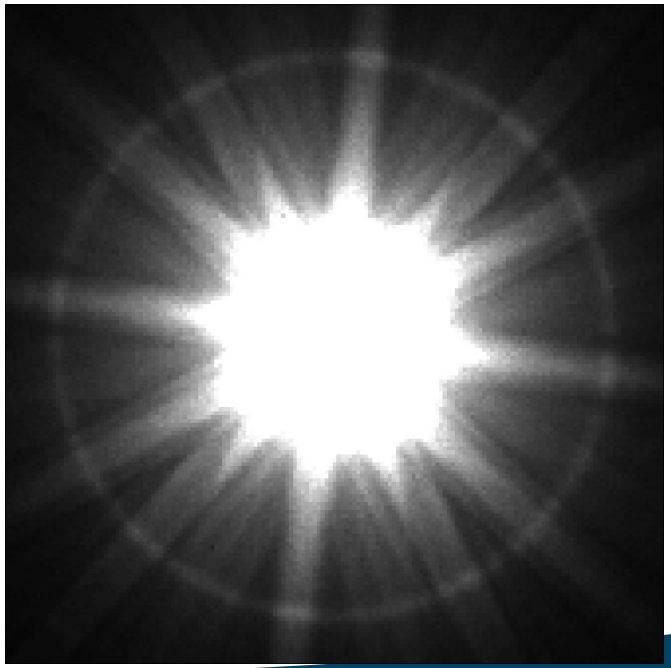
pixStem

Electron Microscopy
for Materials Science
University of Antwerp

What is pixStem?

- Python library for pixelated STEM (4D STEM)
- Started developing during my post. doc. in Glasgow, together with Andrew Ross
- Relies heavily on HyperSpy



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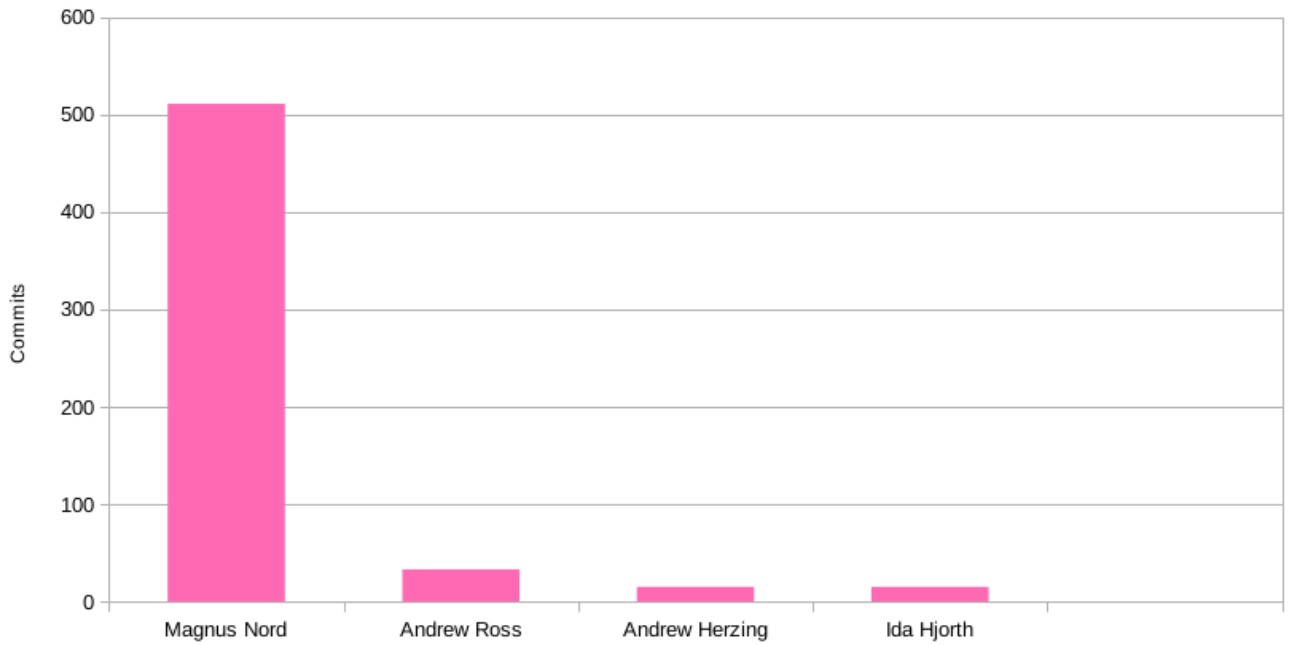
- Fluctuation electron microscopy analysis by Andrew Herzing (NIST)



Resources

- Webpage: `https://pixstem.org`
- Jupyter notebooks:
  `https://gitlab.com/pixstem/pixstem_demos`
- User guide:
  `https://pixstem.org/using_pixelated_stem_class.html`
- Source code:
  `https://gitlab.com/pixstem/pixstem/tree/master/`
- Bugs/issues/feature requests:
  `https://gitlab.com/pixstem/pixstem/issues`