

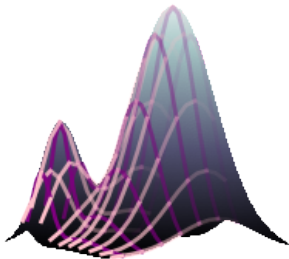
Atomap



Electron Microscopy
for Materials Science
University of Antwerp

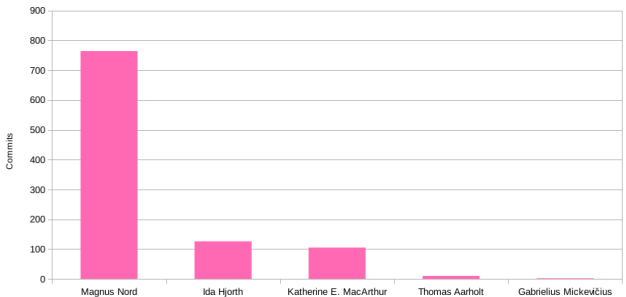
What is Atomap?

- ▶ Python library for analysing atomic resolution images
- ▶ Started developing it during my PhD
- ▶ Relies heavily on HyperSpy
- ▶ If you use it in publications, consider citing it:
<https://dx.doi.org/10.1186/s40679-017-0042-5>



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- ▶ Newest version: very nice optimizations by Thomas Aarholt!



Resources

- ▶ Journal publication: **Atomap: a new software tool for the automated analysis of atomic resolution images using two-dimensional Gaussian fitting**
<https://ascimaging.springeropen.com/articles/10.1186/s40679-017-0042-5>
- ▶ Webpage: <https://atomap.org>
- ▶ Jupyter notebooks:
https://gitlab.com/atomap/atomap_demos
- ▶ User guide:
https://atomap.org/finding_atom_lattices.html
- ▶ Source code:
<https://gitlab.com/atomap/atomap/tree/master/>
- ▶ Bugs/issues/feature requests:
<https://gitlab.com/atomap/atomap/issues>

