

# PySCL: A Python package for structural clustering

Joris Paret<sup>\*1</sup> and Daniele Coslovich<sup>2</sup>

<sup>1</sup> Laboratoire Charles Coulomb (L2C), Université de Montpellier, CNRS, Montpellier, France <sup>2</sup> Dipartimento di Fisica, Università di Trieste, Italy

DOI: [DOIunavailable](#)

## Software

- [Review](#) ↗
- [Repository](#) ↗
- [Archive](#) ↗

Editor: [Pending Editor](#) ↗

## Reviewers:

- [@Pending Reviewers](#)

Submitted: N/A

Published: N/A

## License

Authors of papers retain copyright and release the work under a Creative Commons Attribution 4.0 International License ([CC BY 4.0](#)).

## Summary

A Python framework allowing to perform a clustering on a condensed matter system, using various types of structural descriptors and various dimensionality reduction methods.

## Statement of need

Some equations and figures. Reference test (Paret et al., 2020). See [JOSS documentation](#) for guidelines on how to format the paper.

## Acknowledgements

Thank you Mum and Dad.

## References

Paret, J., Jack, R. L., & Coslovich, D. (2020). Assessing the structural heterogeneity of super-cooled liquids through community inference. *The Journal of Chemical Physics*, 152(14), 144502. <https://doi.org/10.1063/5.0004732>

---

\*joris.paret@umontpellier.fr