

Title of the Article

Author 1

Author 2

Institute 1

Institute 2

author1@gmail.com

author2@gmail.com

November 25, 2025

Abstract

This is the abstract

Keywords: *keyword1, keyword2*

1 Background

The MLIR project [Lat+21] is a novel approach to building reusable and extensible compiler infrastructure. MLIR aims to address software fragmentation, improve compilation for heterogeneous hardware, significantly reduce the cost of building domain specific compilers, and aid in connecting existing compilers together.

2 Methodology

3 Results

4 Conclusion

5 Acknowledgment

References

- [Lat+21] Chris Lattner et al. “MLIR: scaling compiler infrastructure for domain specific computation”. In: *Proceedings of the 2021 IEEE/ACM International Symposium on Code Generation and Optimization*. CGO ’21. Virtual Event, Republic of Korea: IEEE Press, 2021, pp. 2–14. ISBN: 9781728186139. DOI: 10.1109/CGO51591.2021.9370308. URL: <https://doi.org/10.1109/CGO51591.2021.9370308>.