

First-class Runtime Generation of High-performance Types using Exotypes

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February 23, 2023

Before We Start

- This paper is based on the Terra paper.

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- You can find my previous slide here:
<https://github.com/NeilKleistGao/my-presentations>

What's Exotype?

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- exo- → outside.

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- exo- → outside.
- Exotype → type from outside(e.g. database schema).

Reference

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- Zachary DeVito, James Hegarty, Alex Aiken, Pat Hanrahan, and Jan Vitek. 2013. Terra: A multi-stage language for highperformance computing. In Proceedings of the 34th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI'13). ACM, New York, 105–116.
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