## Ownership types in theory and practice (in Rust)

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## **Abstract**

Keywords Rust, Ownership, Type, Safety

- 1 Introduction
- 2 Background
- 2.1 Memory Safety

Definition of memory safety[1].

- 2.2 History of Ownership Types
- 3 Main part
- 3.1 Ownership types in theory
- 3.2 Implementation in Rust
- 3.3 Practical examples using Rust
- 3.4 Alternatives
- 4 Related work
- 5 Summary & Outlook

## References

[1] László Szekeres, Mathias Payer, Tao Wei, and Dawn Song. 2013. SoK: Eternal War in Memory. https://doi.org/10.1109/SP.2013.13