



UNIVERSIDAD DE BUENOS AIRES

TESIS DE GRADO DE INGENIERÍA EN INFORMÁTICA

Compile-time Deadlock Detection in Rust using Petri Nets

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- 1.1 Petri nets
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Chapter 2

Design of the proposed solution

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2.2 Mid-level Intermediate Representation (MIR)

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2.9.1 Mutex (`std::sync::Mutex`)

2.9.2 Mutex lock guard (`std::sync::MutexGuard`)

2.9.3 Condition variables (`std::sync::Condvar`)

2.9.4 Atomic Refence Counter (`std::sync::Arc`)

Chapter 3

Testing the implementation

3.1 Unit tests

3.2 Integration tests

3.3 Generating the MIR representation

3.4 Visualizing the result

Chapter 4

Conclusions

Chapter 5

Future work

Chapter 6

Related work

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