The High Assurance Software Group Epic

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Tweag.io

September 25-28 2022

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Introduction

Who are we?

- A technical group among Tweag engineers
- Lucas, Florent, Carl, Facundo, Mathieu, Nicolas and Georg
- We have formal methods background
- Created a bit more than a year ago around auditing activity

What do we do?

- Advocate for software safety
- We audit Cardano smart contracts
- We maintain Cooked-validators and Pirouette
- We conduct research activities and aim for extending our involvement in formal methods community

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Outline

1. Introduction: the HAS group
2. Our auditing activity
3. Testing smart contracts: Cooked-validators
4. Pirouette, a symbolic evaluator engine
5. Liquid Haskell and the HAS
6. Conclusion

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