

Executing Finance in Metric Temporal Logic

A Formal Verification Schema

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Abstract

colorem coipsum

Introduction

lorem ipsum

Contributions

Prior Work

Algorithmic Contract Types Unified Standard

State machine notions introduced by (Willi Brammertz, Allan I. Mendelowitz, 2019)

Algebraic and Inductively defined financial interaction

(Simon L. Peyton Jones, Jean-Marc Eber, Julian Seward, 2000) defined an algebra for contracts of two parties. In (Patrick Bahr, Jost Berthold, M. Elsmann, 2015) a contract for more than two parties can be well-typed.

Bibliography

Patrick Bahr, Jost Berthold, M. Elsmann (2015). *Certified symbolic management of financial multi-party contracts*, Proceedings of the 20th ACM SIGPLAN International Conference on Functional Programming.

Simon L. Peyton Jones, Jean-Marc Eber, Julian Seward (2000). *Composing contracts: an adventure in financial engineering (functional pearl)*.

Willi Brammertz, Allan I. Mendelowitz (2019). *Smart Contracts, Distributed Ledgers, and the Need for an Algorithmic Financial Contract Standard*, Banking & Insurance eJournal.