Publications

Converging from branching to linear metrics on Markov chains

Computing Probabilistic Bisimilarity Distances for Probabilistic Automata

Reasoning About Bounds in Weighted Transition Systems

Free complete Wasserstein algebras

A Hemimetric Extension of Simulation for Semi-Markov Decision Processes

An Algebraic Theory of Markov Processes

Boolean-valued semantics for the stochastic Lambda-calculus

Complete Axiomatization for the Total Variation Distance of Markov Chains
Weighted branching systems: Behavioural equivalence, behavioural distance, and their logical characterisations

Riesz Modal logic for Markov processes

Timed Comparisons of Semi-Markov Processes

On the axiomatizability of quantitative algebras

Unrestricted stone duality for Markov processes

A Complete Quantitative Deduction System for the Bisimilarity Distance on Markov Chains

Models, Algorithms, Logics and Tools: Essays Dedicated to Kim Gulstrand Larsen on the Occasion of His 60th Birthday

On-the-Fly Computation of Bisimilarity Distances

On the Metric-Based Approximate Minimization of Markov Chains

A Complete Approximation Theory for Weighted Transition Systems

Complete Axiomatization for the Bisimilarity Distance on Markov Chains

Probabilistic Mu-Calculus: Decidability and Complete Axiomatization
Quantitative Algebraic Reasoning

Alternation-Free Weighted Mu-Calculus: Decidability and Completeness

Concurrent weighted logic

Converging from Branching to Linear Metrics on Markov Chains

Decidability and Expressiveness of Recursive Weighted Logic

On the Total Variation Distance of Semi-Markov Chains

Parametric Verification of Weighted Systems

Complete proof systems for weighted modal logic

A decidable recursive logic for weighted transition systems

A Decidable Recursive Logic for Weighted Transition Systems

Adequacy and Complete Axiomatization for Timed Modal Logic

A Metrized Duality Theorem for Markov Processes
Bisimulation on Markov Processes over Arbitrary Measurable Spaces

Continuity Properties of Distances for Markov Processes

The Behavior of Probabilistic Systems: From Equivalences to Behavioral Distances

The measurable space of stochastic processes

Computing Behavioral Distances, Compositionally

On-the-Fly Exact Computation of Bisimilarity Distances

Stochastic Pi-calculus Revisited

Stone Duality for Markov Processes

Strong Completeness for Markovian Logics

The BisimDist Library: Efficient Computation of Bisimilarity Distances for Markovian Models

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A Metric Analogue of Stone Duality for Markov Processes

Combining Epistemic Logic and Hennessy-Milner Logic

Decidability of Modular Logics for Concurrency

Parameterized Metatheory for Continuous Markovian Logic

Stone Duality for Markov Processes

Taking It to the Limit: Approximate Reasoning for Markov Processes

Modular Markovian logic

An Observer-Based De-Quantisation of Deutsch's Algorithm

Continuous Markovian Logic - From Complete Axiomatization to the Metric Space of Formulas

Logical Analysis of Complex Concurrent Systems: Dynamic-Epistemic Spatial Logics for Process Algebras

The Measurable Space of Stochastic Processes

Analysing Biochemical Oscillations through Probabilistic Model Checking

A Complete Axiomatic System for Process-based Spatial Logic
A Logical Characterization of Robustness, Mutants and Species in Colonies of Synchronizing Agents

A Multiset-Based Model of Synchronizing Agents: Computability and Robustness

A Calculus for Modelling, Simulating and Analysing Compartmentalized Biological Systems

BetaWB - A language for modular representation of biological systems

Bio-Logics
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Colonies of synchronizing agents: An abstract model of intracellular and intercellular processes

Observing Distributed Computation. A Dynamic-Epistemic Approach

Decidable extensions of Hennessy-Milner Logic

Playing with partial knowledge in membrane systems: A logical approach

Logical analysis of biological systems

Model checking biological systems described using ambient calculus

A logical approach to security in the context of Ambient Calculus