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An algebraic approach for reasoning about information flow

Conditioning in probabilistic programming

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Privacy in elections: How small is "small"?

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Axioms for information leakage

Program refinement, perfect secrecy and information flow

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Hidden-Markov program algebra with iteration


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Abstractions of non-interference security: Probabilistic versus possibilistic

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Sums and lovers: Case studies in security, compositionality and refinement

The secret art of computer programming

Using probabilistic Kleene algebra pKA for protocol verification

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Proofs and refutations for probabilistic refinement

Results on the quantitative μ-calculus qMμ
McIver, A. & Morgan, C. 1 Jan 2007 In : ACM Transactions on Computational Logic. 8, 1, p. 1-43 43 p., 3

Automating refinement checking in probabilistic system design

Formal techniques for the analysis of wireless networks
Developing and reasoning about probabilistic programs in pGCL

Programming-logic analysis of fault tolerance: expected performance of self-stabilisation

Quantitative refinement and model checking for the analysis of probabilistic systems

Quantitative μ-calculus analysis of power management in wireless networks

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Memoryless strategies for stochastic games via domain theory

An elementary proof that Herman's Ring is Θ(N²)

Probabilistic Guarded Commands Mechanized in HOL

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Abstraction, refinement and proof for probabilistic systems

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Development via refinement in probabilistic B - Foundation and case study

Towards automated proof support for probabilistic distributed systems

Cost-based analysis of probabilistic programs mechanised in HOL

Deriving probabilistic semantics via the 'weakest completion'

Almost-certain eventualities and abstract probabilities in the quantitative temporal logic qTL

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Quantitative program logic and expected time bounds in probabilistic distributed algorithms

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Cost analysis of games, using program logic

A generalisation of stationary distributions, and probabilistic program Algebra

Partial correctness for probabilistic demonic programs

Almost-certain eventualities and abstract probabilities in quantitative temporal logic
Demonic, angelic and unbounded probabilistic choices in sequential programs

A Generalisation of Stationary Distributions and Probabilistic Program Algebra

Quantitative program logic and performance in probabilistic distributed algorithms
Vol. 1601, p. 19-33 15 p. (Lecture Notes in Computer Science; vol. 1601)

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Probabilistic models for the guarded command language

Unifying wp and wlp

Probabilistic Predicate Transformers
325-353 29 p.

Refinement-oriented probability for CSP

Software, who needs it?

A question of identity

Finitely generated non-Hopf modules

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