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-- Towards Quantitative Analysis of Opacity -- An Algebra for Symbolic Diffie-Hellman Protocol Analysis -- Security Analysis in Probabilistic Distributed Protocols via Bounded Reachability -- Modular Reasoning about Differential Privacy in a Probabilistic Process Calculus.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 7th International Symposium on Trustworthy Global Computing, TGC 2012, held in Newcastle upon Tyne, UK, in September 2012. The 9 revised full papers presented together with 3 invited talks were carefully reviewed and selected from 14 submissions. The papers cover a wide range of topics in the area of global computing and reliable computation in the so-called global computers, i.e., those computational abstractions emerging in large-scale infrastructures such as service-oriented architectures, autonomic systems and cloud computing, providing frameworks, tools, algorithms and protocols for designing open-ended, large-scale applications and for reasoning about their behavior and properties in a rigorous way.