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                         Graph Transformation -- Multi-amalgamated Triple Graph Grammars
                         -- Reconfigurable Petri Nets with Transition Priorities and Inhibitor Arcs
                         -- Reachability in Graph Transformation Systems and Slice Languages

-- Equational Reasoning with Context-Free Families of String Diagrams -- Translating Essential OCL Invariants to Nested Graph Constraints Focusing on Set Operations -- Characterizing Conflicts Between Rule Application and Rule Evolution in Graph Transformation Systems -- Graph Pattern Matching as an Embedded Clojure DSL -- Using Graph Transformations for Formalizing Prescriptions and Monitoring -- Towards Compliance Verification Between Global and Local Process Models -- Inductive Invariant Checking with Partial Negative Application Conditions -- Tool Support for Multi-amalgamated Triple Graph Grammars -- Uncover: Using Coverability Analysis for Verifying Graph Transformation Systems -- Local Search-Based Pattern Matching Features in EMF-INCQUERY.

| Sommario/riassunto | This book constitutes the proceedings of the 8th International Conference on Graph Transformations, ICGT 2015, held in L'Aquila, Italy, in July 2015. The 15 full papers presented together with 3 short papers and 1 keynote were carefully reviewed and selected from 27 submissions. The papers are organized in topical sections on foundations; applications: technical papers, and tool presentations. |