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Soggetti	Compilers (Computer programs) Compilers and Interpreters
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Nota di contenuto	Logics for extensional, locally complete analysis via domain refinements -- Clustered Relational Thread-Modular Abstract Interpretation with Local Traces -- Adversarial Reachability for Program-level Security Analysis -- Automated Grading of Regular Expressions -- Built-in Types viewed as Inductive Families -- Pragmatic Gradual Polymorphism with References -- Modal crash types for intermittent computing -- Gradual Tensor Shape Checking -- A Type System for Effect Handlers and Dynamic Labels -- Interpreting Knowledge-based Programs -- Contextual Modal Type Theory with Polymorphic Contexts -- A Complete Inference System for Skip-free Guarded Kleene Algebra with Tests -- Quorum Tree Abstractions of Consensus Protocols -- MAG : Types for Failure-Prone Communication -- System $\mathcal{F}^\mu\omega$ with Context-free Session Types -- Safe Session-Based Concurrency with Shared Linear State -- Bunched Fuzz: Sensitivity for Vector Metrics -- Fast and Correct Gradient-Based Optimisation for Probabilistic Programming via Smoothing -- Type-safe Quantum Programming in Idris -- Automatic Alignment in Higher-Order Probabilistic Programming Languages.
Sommario/riassunto	This open access book constitutes the proceedings of the 32nd European Symposium on Programming, ESOP 2023, which was held

during April 22-27, 2023, in Paris, France, as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2023. The 20 regular papers presented in this volume were carefully reviewed and selected from 55 submissions. They deal with fundamental issues in the specification, design, analysis, and implementation of programming languages and systems.
