1.	Record Nr.	UNINA9910483948103321
	Titolo	Types for proofs and programs : international conference, TYPES 2008, Torino, Italy, March 26-29, 2008 : revised selected papers / / Stefano Berardi, Ferruccio Damiani, Ugo de'Liguoro (eds.)
	Pubbl/distr/stampa	Berlin ; ; Heidelberg, : Springer, c2009
	ISBN	3-642-02444-0
	Edizione	[1st ed. 2009.]
	Descrizione fisica	1 online resource (VIII, 323 p.)
	Collana	Lecture notes in computer science ; ; 5497
	Classificazione	DAT 373f DAT 510f DAT 706f SS 4800
	Altri autori (Persone)	BerardiStefano DamianiFerruccio De'LiguoroUgo
	Disciplina	005.13122gerDNB
	Soggetti	Automatic theorem proving Computer programming
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and author index.
	Nota di contenuto	Type Inference by Coinductive Logic Programming -- About the Formalization of Some Results by Chebyshev in Number Theory -- A New Elimination Rule for the Calculus of Inductive Constructions -- A Framework for the Analysis of Access Control Models for Interactive Mobile Devices -- Proving Infinitary Normalization -- First-Class Object Sets -- Monadic Translation of Intuitionistic Sequent Calculus -- Towards a Type Discipline for Answer Set Programming -- Type Inference for a Polynomial Lambda Calculus -- Local Theory Specifications in Isabelle/Isar -- Axiom Directed Focusing -- A Type System for Usage of Software Components -- Merging Procedural and Declarative Proof -- Using Structural Recursion for Corecursion -- Manifest Fields and Module Mechanisms in Intensional Type Theory -- A Machine-Checked Proof of the Average-Case Complexity of Quicksort in Coq -- Coalgebraic Reasoning in Coq: Bisimulation and the ?-Coiteration Scheme -- A Process-Model for Linear Programs -- Some Complexity and Expressiveness Results on Multimodal and

Stratified Proof Nets.

Sommario/riassunto   This book constitutes the thoroughly refereed post-conference proceedings of TYPES 2008, the last of a series of meetings of the TYPES working group funded by the European Union between 1993 and 2008; the workshop has been held in Torino, Italy, in March 2008. The 19 revised full papers presented were carefully reviewed and selected from 27 submissions. The topic of the workshop was formal reasoning and computer programming based on type theory: languages and computerized tools for reasoning, and applications in several domains such as analysis of programming languages, certified software, mobile code, formalization of mathematics, mathematics education.