

1. Record Nr.	UNINA9910143606303321
Titolo	Types for Proofs and Programs : International Workshop, TYPES'99, Lökeberg, Sweden, June 12-16, 1999, Selected Papers / / edited by Thierry Coquand, Peter Dybjer, Bengt Nordström, Jan Smith
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-44557-9
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (VIII, 197 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1956
Disciplina	005.13/1
Soggetti	Programming languages (Electronic computers) Computer logic Logic, Symbolic and mathematical Artificial intelligence Programming Languages, Compilers, Interpreters Logics and Meanings of Programs Mathematical Logic and Formal Languages Artificial Intelligence Mathematical Logic and Foundations
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 at the end of each chapters and index.
Nota di contenuto	Specification and Verification of a Formal System for Structurally Recursive Functions -- A Predicative Strong Normalisation Proof for a ? Calculus with Interleaving Inductive Types -- Polymorphic Intersection Type Assignment for Rewrite Systems with Abstraction and ?-Rule -- Computer-Assisted Mathematics at Work -- Specification of a Smart Card Operating System -- Implementation Techniques for Inductive Types in Plastic -- A Co-inductive Approach to Real Numbers -- Information Retrieval in a Coq Proof Library Using Type Isomorphisms -- Memory Management: An Abstract Formulation of Incremental Tracing -- The Three Gap Theorem (Steinhaus Conjecture) -- Formalising Formulas-as-Types-as-Objects.
Sommario/riassunto	This book contains a selection of papers presented at the third annual

workshop of the Esprit Working Group 21900 Types, which was held 12 - 16 June 1999 at L'okeberg in the rural area north of G"oteborg and close to Marstrand. It was attended by 77 researchers. The two previous workshops of the working group were held in Aussois, France, in December 1996 and in Irsee, Germany, in March 1998. The proceedings of those workshops appear as LNCS Vol. 1512 (edited by Christine Paulin- Mohring and Eduardo Gimenez) and LNCS Vol. 1657 (edited by Thorsten - tenkirch, Wolfgang Naraschewski, and Bernhard Reus). These workshops are, in turn, a continuation of the meetings organized in 1993, 1994, and 1995 under the auspices of the Esprit Basic Research Action 6453 Types for Proofs and Programs. Those proceedings were also published in the LNCS series, edited by Henk Barendregt and Tobias Nipkow (Vol. 806, 1993), by Peter Dybjer, Bengt Nordstr"om, and Jan Smith (Vol. 996, 1994) and by Stefano Berardi and Mario Coppo (Vol. 1158, 1995). The Esprit BRA 6453 was a continuation of the former Esprit Action 3245 Logical Frameworks: - sign, Implementation and Experiments. The articles from the annual workshops organized under that Action were edited by Gerard Huet and Gordon Plotkin in the books Logical Frameworks and Logical Environments, both published by Cambridge University Press.
