1.	Record Nr.	UNISA996465629103316
	Titolo	Partial Evaluation [[electronic resource]] : International Seminar, Dagstuhl Castle, Germany, February 12 - 16, 1996. Selected Papers / / edited by Olivier Danvy, Robert Glück, Peter Thiemann
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1996
	ISBN	3-540-70589-9
	Edizione	[1st ed. 1996.]
	Descrizione fisica	1 online resource (XII, 520 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1110
	Disciplina	005.13/1
	Soggetti	Computer programming Programming languages (Electronic computers) Programming Techniques Programming Languages, Compilers, Interpreters
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	An automatic interprocedural analysis for the understanding of scientific application programs -- Practical aspects of specialization of Algol-like programs -- Synchronization analyses for multiple recursion parameters -- A uniform approach for compile-time and run-time specialization -- Pragmatics of type-directed partial evaluation -- Compiler generation for interactive graphics using intermediate code -- Regular approximation of computation paths in logic and functional languages -- A roadmap to metacomputation by supercompilation -- Reasoning about hierarchies of online program specialization systems -- Type specialisation for the ?-calculus; or, a new paradigm for partial evaluation based on type inference -- What not to do when writing an interpreter for specialisation -- Efficiently generating efficient generating extensions in prolog -- Global control for partial deduction through characteristic atoms and global trees -- Squeezing intermediate construction in equational programs -- Evolution of partial evaluators: Removing inherited limits -- A Self-Applicable supercompiler -- Multi-Level Lambda-Calculi: An algebraic description -- A comparative revisitation of some program transformation techniques -- A theory of logic program specialization and

generalization for dealing with input data properties -- Program specialization via program slicing -- Specialization of imperative programs through analysis of relational expressions -- ML pattern match compilation and partial evaluation -- Self-applicable online partial evaluation -- Metacomputation: Metasystem transitions plus supercompilation.

Sommario/riassunto	Partial Evaluation has reached a point where theory and techniques have matured, substantial systems have been developed, and realistic applications can benefit from partial evaluation. This book is based on the International Seminar on Partial Evaluation held in Dagstuhl Castle, Germany in February 1996. The 24 strictly refereed full papers included evaluate the progress achieved in the field during the last decade. Also included is a detailed preface by the volume editors and a subject index. All in all, this book competently reports the state of the art and future perspectives in partial evaluation and is thus compulsory reading for anybody interested in the area.