

1. Record Nr.	UNISA996465855503316
Titolo	Language Engineering and Rigorous Software Development [[electronic resource]] : International LerNet ALFA Summer School 2008, Piriapolis, Uruguay, February 24 - March 1, 2008, Revised, Selected Papers // edited by Ana Bove, Luis Soares Barbosa, Alberto Pardo, Jorge Sousa Pinto
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	1-282-33181-7 9786612331817 3-642-03153-6
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (308 p.)
Collana	Programming and Software Engineering ; ; 5520
Classificazione	DAT 544f DAT 555f SS 4800
Disciplina	005.1
Soggetti	Software engineering Programming languages (Electronic computers) Computer simulation Computer programming Management information systems Computer science Software Engineering Programming Languages, Compilers, Interpreters Simulation and Modeling Programming Techniques Management of Computing and Information Systems Kongress. Piriapolis (2008)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Lecture notes from ... the International Summer School on Language Engineering and Rigorous Software Development"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	to Type Theory -- Dependent Types at Work -- A Tutorial on Type-

Based Termination -- Structural Abstract Interpretation: A Formal Study Using Coq -- Extended Static Checking by Calculation Using the Pointfree Transform -- Combinator Parsing: A Short Tutorial.

Sommario/riassunto

This book constitutes the thoroughly refereed revised tutorial lectures of the International LerNet ALFA Summer School on Language Engineering and Rigorous Software Development, held in Piriapolis, Uruguay, in February/March 2008. The volume presents three courses on type theory: an introductory tutorial, a course on type-based termination, and a practical introduction to dependent types. A case study of a static analyzer based on abstract interpretation, a tutorial on combinator parsing, and a study of extended static checking using a point-free transform completes the volume. Together these contributions will be an invaluable tool for graduate students and researchers looking forward to keeping up to date with the latest developments in rigorous approaches to software development.
