



Programming Language Engineering Master of Computer Science

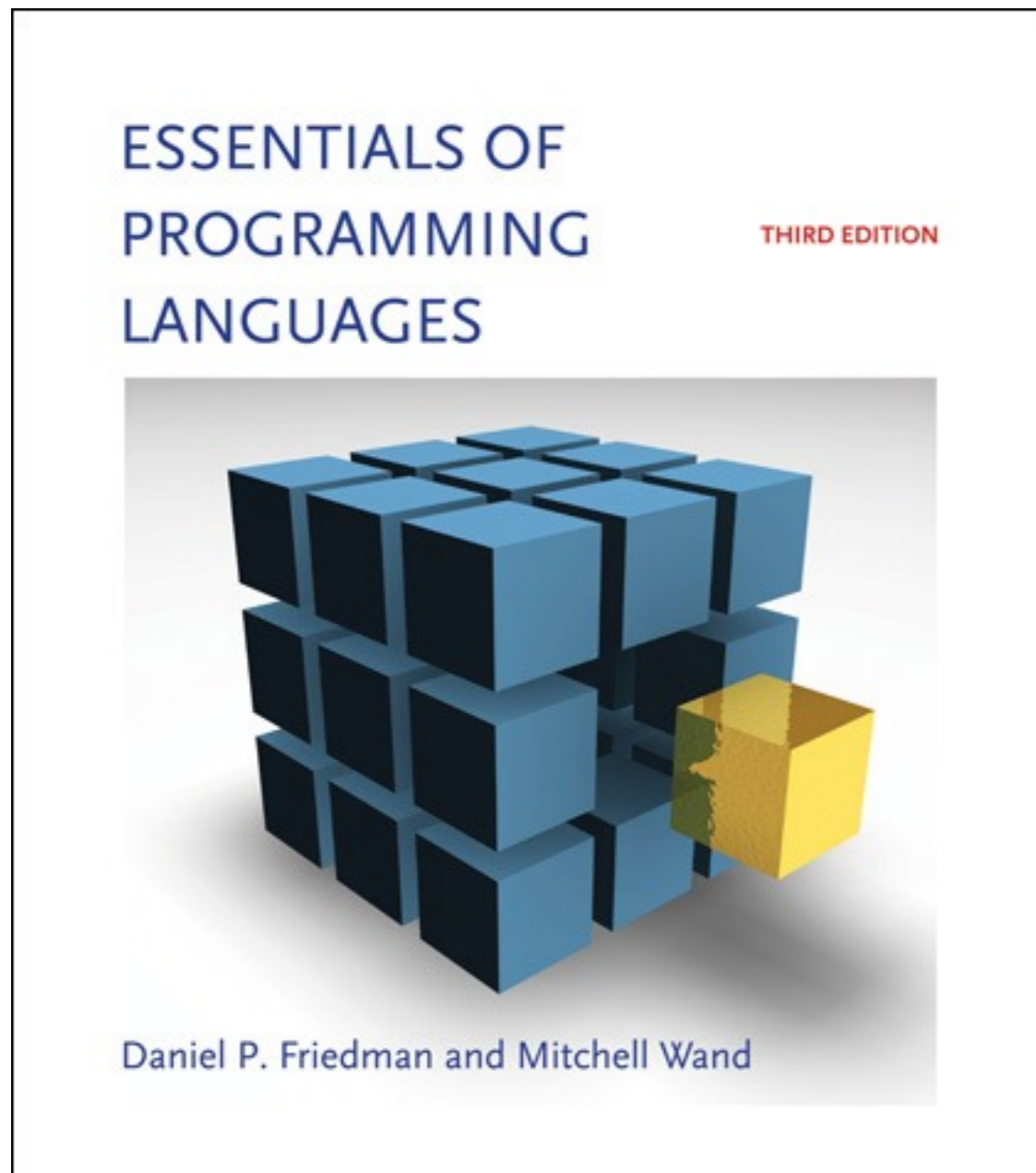
Faculty of Science and Bio-Engineering Sciences
Vrije Universiteit Brussel

Section 0: Context

Theo D'Hondt
Software Languages Lab

“...provide a deep, working understanding of the essential concepts of programming languages...”

Basic References



Essentials of Programming Languages, 3rd Edition
Daniel P. Friedman and Mitchell Wand (2008) MIT Press
ISBN: 978-0-262-06279-4
<http://www.eop13.com>



Pico — `\'skēm\`
Theo D'Hondt (2009) VUB
<http://pico.vub.ac.be>

EOPL

Essentials of Programming Languages, 3rd Edition Daniel P. Friedman and Mitchell Wand

	Foreword by Hal Abelson	ix
	Preface	xv
	Acknowledgements	xxi
1	Inductive Sets of Data	1
2	Data Abstraction	31
3	Expressions	57
4	State	103
5	Continuation-Passing Interpreters	139
6	Continuation-Passing Style	193
7	Types	233
8	Modules	275
9	Objects and Classes	325
A	For Further Reading	371
B	The SLLGEN Parsing System	377
	Bibliography	391
	Index	399

EOPL

Essentials of Programming Languages, 3rd Edition Daniel P. Friedman and Mitchell Wand

	Foreword by Hal Abelson	ix
	Preface	xv
	Acknowledgements	xxi
1	Inductive Sets of Data	1
2	Data Abstraction	31
3	Expressions	57
4	State	103
5	Continuation-Passing Interpreters	139
6	Continuation-Passing Style	193
7	Types	233
8	Modules	275
9	Objects and Classes	325
A	For Further Reading	371
B	The SLLGEN Parsing System	377
	Bibliography	391
	Index	399

'skēm\

- **Memory management**
- **Continuation based interpretation**
- **Lexical environments and closures**
- **Proper tail recursion**
- **Continuations**