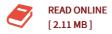




Programming and Meta-Programming in Scheme

By Pearce, Jon

Book Condition: New. Publisher/Verlag: Springer, Berlin | A comprehensive first course in Scheme, covering all of its major features: abstraction, functional programming, data types, recursion, and semantic programming. Although the primary goal is to teach students to program in Scheme, this will be suitable for anyone taking a general programming principles course. Each chapter is divided into three sections: core, appendix, and problems. Most essential topics are covered in the core section, but it is assumed that most students will read the appendices and solve most of the problems - all of which require short Scheme procedures. As well as providing a thorough grounding in Scheme, the author discusses different programming paradigms in depth. An important theme throughout is that of "meta-programming", thus providing an insight into topics such as type-checking and overloading which might otherwise be missed. | 1.1 LISP.- 1.1.1. LISP Dialects. - 1.2 Scheme. - 1.2.1. Scheme on the Web. - 1.3. Structure of the Text. - 1.3.1. Themes. - 1. Expressions and Values. - 1.1. Values. - 1.1.1. Numbers. - 1.1.2. Characters. - 1.1.3Booleans. - 1.1.4 Symbols. - 1.1.5. Procedures. - 1.1.6. Strings. - 1.1.7. Lists. - 1.1.8. Vectors. - 1.1.9. Pairs. - 1.1.10. Other Value Domains. - 1.2. Expressions. - 1.2.1. Literals. - 1.2.2. Symbols and the Global Environment. - 1.2.3. Applications. - 1.2.4. Structures. - ...



Reviews

An exceptional pdf and the typeface utilized was fascinating to read through. It can be writter in straightforward words and phrases instead of confusing. I am just quickly could possibly get a delight of looking at a written ebook.

-- Prof. Arlie Bogan

It in a single of the best book. This is for those who statte there had not been a well worth reading through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dr. Barney Robel Jr.