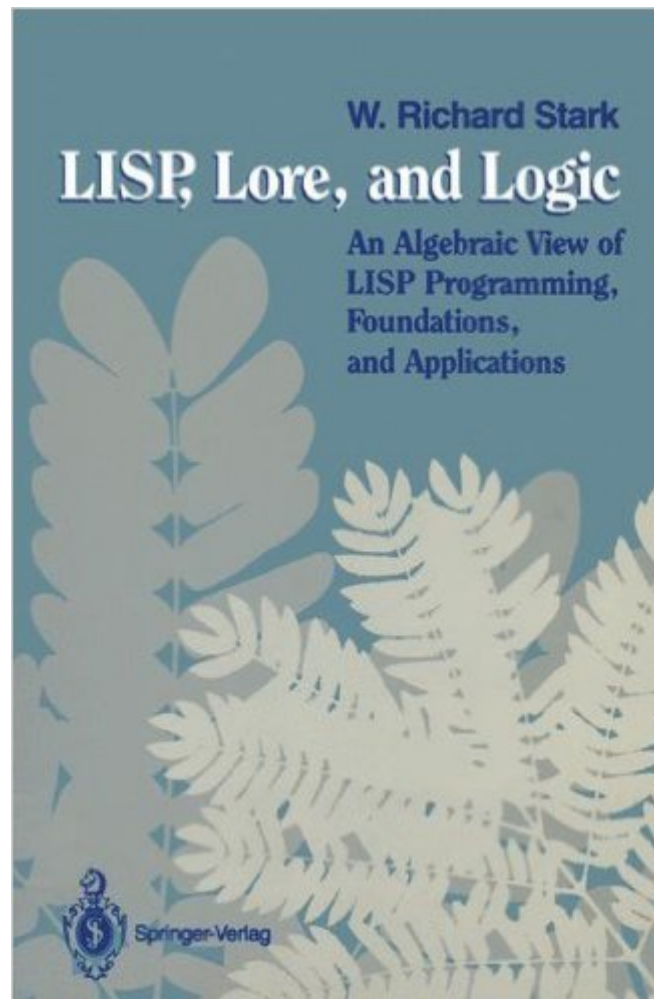# LISP, Lore, And Logic: An Algebraic View Of LISP Programming, Foundations, And Applications

Synopsis

Here is a presentation of LISP which is both practical and theoretical. For the practical, the syntax of the language, the programming styles, and the semantics of computation are carefully developed. For the theoretical, the algebra of interpreters, the lambda calculus as a foundation for LISP, and the algebraic significance of LISP's approach to artificial intelligence are discussed. As the title suggests, the book reaches beyond the technical side of LISP to present colorful applications, historical comments and quotations, computational philosophy, consequences of LISP's exceptional power, and much more. The material has been designed to appeal to a variety of readers, from the bright freshman to the practicing professional, and from computer scientists and mathematicians to chemists, engineers, and philosophers.

Book Information

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Customer Reviews

I am doing masters in computer science. This book is one of the book we are using for our class. I found the book is easy to understand and describes the subject well enough. I just started learning Lisp and after I started to reading the book I do not have any trouble to understand terms or etc. even if english is not my first language. The book has nice examples related with Lisp programming and if there is a given more example will be a lot more useful for the students.It will be a lot better if the book prices little cheaper. I believe book is out of print from the publisher, so if the authors take the copyrights and put the book on the web and let the students or teachers to print the book with acceptable cost that will be great. Thank you

Not many reviews on this good book. Anyone who wants to take an algebraic-logic approach to common lisp, this book is worth reading. The dialect used in the book is common lisp. Don't be put off by the fact that it was published in 1990. the CL commands/syntax used works fine with my copy of clozure common lisp.This is my favourite book on Lisp so far. Tied in first is also The Little/Seasoned/Reasoned Schemer series. I attempted SIPL (2nd Ed., MIT Press), but it was too difficult for my current level of understanding.

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