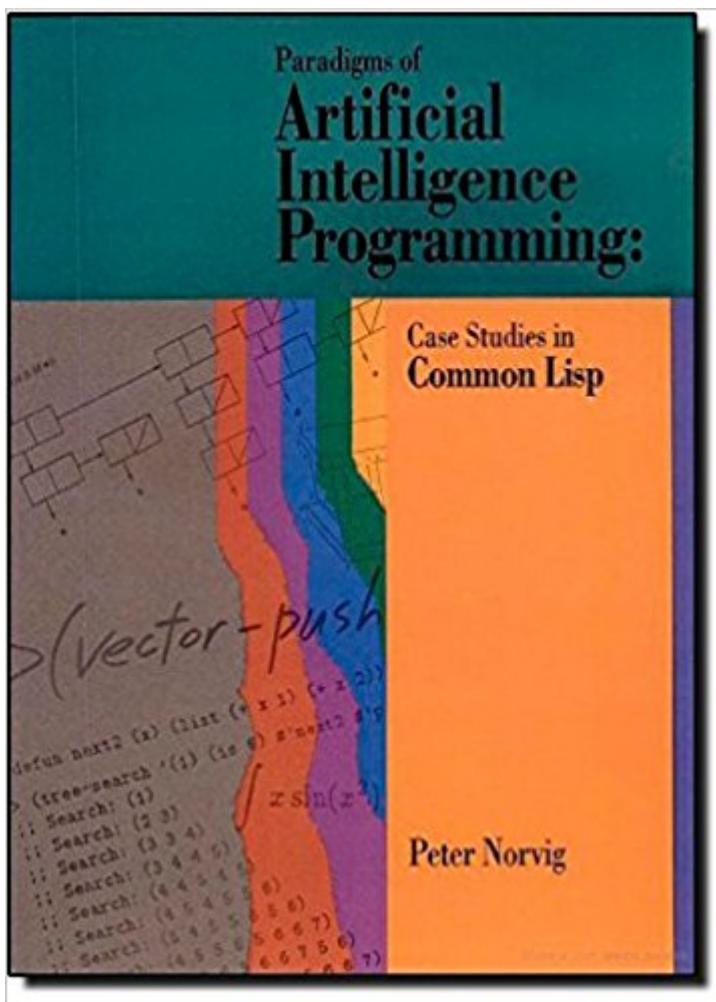


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# Paradigms Of Artificial Intelligence Programming: Case Studies In Common Lisp



## Synopsis

Paradigms of AI Programming is the first text to teach advanced Common Lisp techniques in the context of building major AI systems. By reconstructing authentic, complex AI programs using state-of-the-art Common Lisp, the book teaches students and professionals how to build and debug robust practical programs, while demonstrating superior programming style and important AI concepts. The author strongly emphasizes the practical performance issues involved in writing real working programs of significant size. Chapters on troubleshooting and efficiency are included, along with a discussion of the fundamentals of object-oriented programming and a description of the main CLOS functions. This volume is an excellent text for a course on AI programming, a useful supplement for general AI courses and an indispensable reference for the professional programmer.

## Book Information

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## Customer Reviews

This is an overview of classical artificial intelligence (AI) programming via actual implementation of landmark systems (case studies). For the student interested in AI, Paradigms of Artificial Intelligence Programming is an invaluable history lesson. Even the programmer who is relatively uninterested in AI will find value in the book's basic introduction to Lisp and case studies written in Lisp. But perhaps the book's best feature is its information on efficiency considerations in Lisp. Paradigms of Artificial Intelligence Programming is worth purchasing for these discussions alone, which provide a wealth of useful guidelines for optimizing your code.

Paradigms of AI Programming teaches advanced Common Lisp techniques in the context of building major AI systems. By reconstructing authentic, complex AI programs using state-of-the-art Common Lisp, the book teaches students and professionals how to build and debug robust practical programs, while demonstrating superior programming style and important AI concepts. The author strongly emphasizes the practical, performance issues of writing real working programs of significant size, including chapters on troubleshooting and efficiency. A discussion of the fundamentals of object-oriented programming and a description of the main CLOS functions are included. This volume is an excellent text for a course on AI programming, a useful supplement for general AI courses and an indispensable reference for the professional programmer. -- Book Description

Great book, bad Kindle version. I'm an undergrad. I bought this to learn Lisp, and it's absolutely blown my mind with how good it is. I've learned more from this book than I ever will from my college classes. I'd say this has been a really good introduction to Lisp, and a really good introduction to AI. It's easily becoming my favorite programming book. It's covered more material than 3/4 of my programming classes combined. The kindle version is bad though. The syntax is all wonky, which is critical when you need to differentiate `s from 's and ,s from .s. There are tons of misspellings in the kindle version. The code formatting is very difficult to read. Thankfully I've been able to get the code from the Peter Norvig's web page. If you can, get the paper edition. This is the second Common Lisp book I've read, so I've had enough experience that I can debug all of these problems myself.

The book is excellent. It provides a great source of information to learn Common Lisp and programming techniques. The exercises are nontrivial which makes the book great to use in my classes. I am using it to teach programming courses. Nevertheless, the kindle version has a lot of problems. The code blocks are images, so I can't resize the fonts, show them in the projector during the class doesn't work. There are a lot of small typos in the text. Some cross-references like "in page X" must be rewrite to links that better fit the electronic format. I am very frustrated with the current electronic version and I hope that improve it soon. It would be great to have some feedback from about my suggestions of improvement.

In my opinion, this book is essential reading for anyone who seriously sets out to learn about artificial intelligence, and as far as I can see, it is also prime reference material for anyone already working in the field.

This is a excellent book for both the history of AI and a lot of program written very well in Common Lisp. Peter Norvig is actually very enthusiastic about AI and programming. From a glimpse of the book, I know it is valuable for learner both of AI and Common Lisp. So I decided to buy one for myself.

Peter Norvig is very knowledgeable and a great author. Highly recommended if you're interested in AI. The chapter on optimization is extremely valuable.

This is a must have book for all LISP programmers, very concise and the exercises are a good practice. Non LISP programmers will enjoy the reading but a reference book will be welcome.

it handles very hard topics but in easy way. writing is great. sample codes of master. one of greatest cs book I have ever read

The best Lisp book for experienced programmers. He shows how to develop medium sized Lisp systems. I don't know of any books that show large Lisp systems. But, you can download large system code and try to understand it yourself.

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