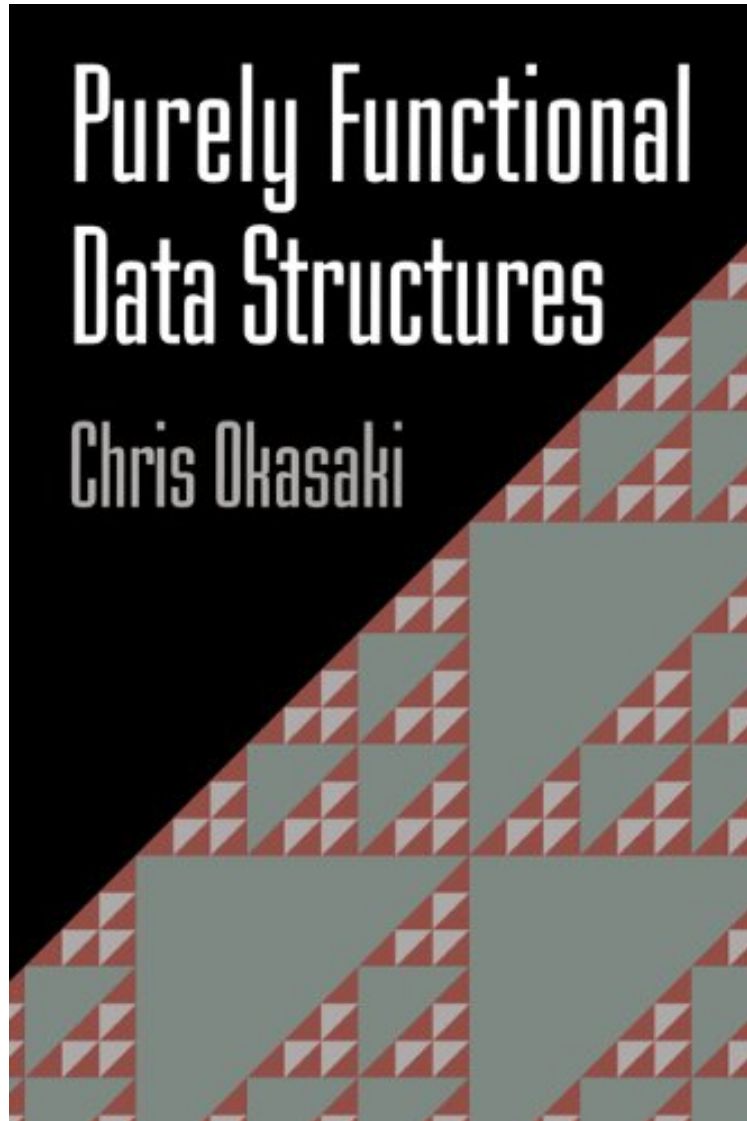


(Free read ebook) Purely Functional Data Structures

Purely Functional Data Structures

Von Chris Okasaki

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Von Chris Okasaki : Purely Functional Data Structures before purchasing it in order to gage whether or not it would be worth my time, and all praised Purely Functional Data Structures:

KundenrezensionenHilfreichste Kundenrezensionen14 von 21 Kunden fanden die folgende Rezension hilfreich.
Interesting, but more academic than practicalVon Ein KundeThis is the best book available on the implementation of data structures in functional programming languages (e.g. ML, Haskell). Unfortunately, much of the book covers esoteric data structures that will almost never be needed in practice. Hash tables are a major omission, likely because

they don't fit well into a functional environment. 0 von 0 Kunden fanden die folgende Rezension hilfreich. Absolutes Must-Read Von Philipp Meier Für alle, die in der funktionalen Programmierung zu Hause sind, oder werden wollen, eine Pflichtlektüre. Zugegeben, etwas Neigung zur Theorie ist nötig, aber Okasaki erklärt ausreichend ausführlich. Die vorgestellten Datenstrukturen sind teils überraschend pfiffig und die Implementierung in ML gut nachvollziehbar.

Kurzbeschreibung Most books on data structures assume an imperative language like C or C++. However, data structures for these languages do not always translate well to functional languages such as Standard ML, Haskell, or Scheme. This book describes data structures from the point of view of functional languages, with examples, and presents design techniques so that programmers can develop their own functional data structures. It includes both classical data structures, such as red-black trees and binomial queues, and a host of new data structures developed exclusively for functional languages. All source code is given in Standard ML and Haskell, and most of the programs can easily be adapted to other functional languages. This handy reference for professional programmers working with functional languages can also be used as a tutorial or for self-study. **Pressestimmen** "This book is important because it presents data structures from the point of view of functional languages... a handy reference for professional functional programmers... Most of the programs can easily be adapted to other functional languages. Even C and Java programmers should find implementing these data structures a relatively straightforward process... Programs are physically well structured and readable, and are displayed in boxes. Okasaki has produced a valuable book about functional programming, exploring a wide range of data structures... a significant contribution to the computer science literature." **Computing über das Produkt** Most books on data structures assume an imperative language. However, their data structures do not translate well to functional languages. This book describes data structures and data structure design techniques from the point of view of functional languages. It is a reference for functional programmers and a text for self-study.