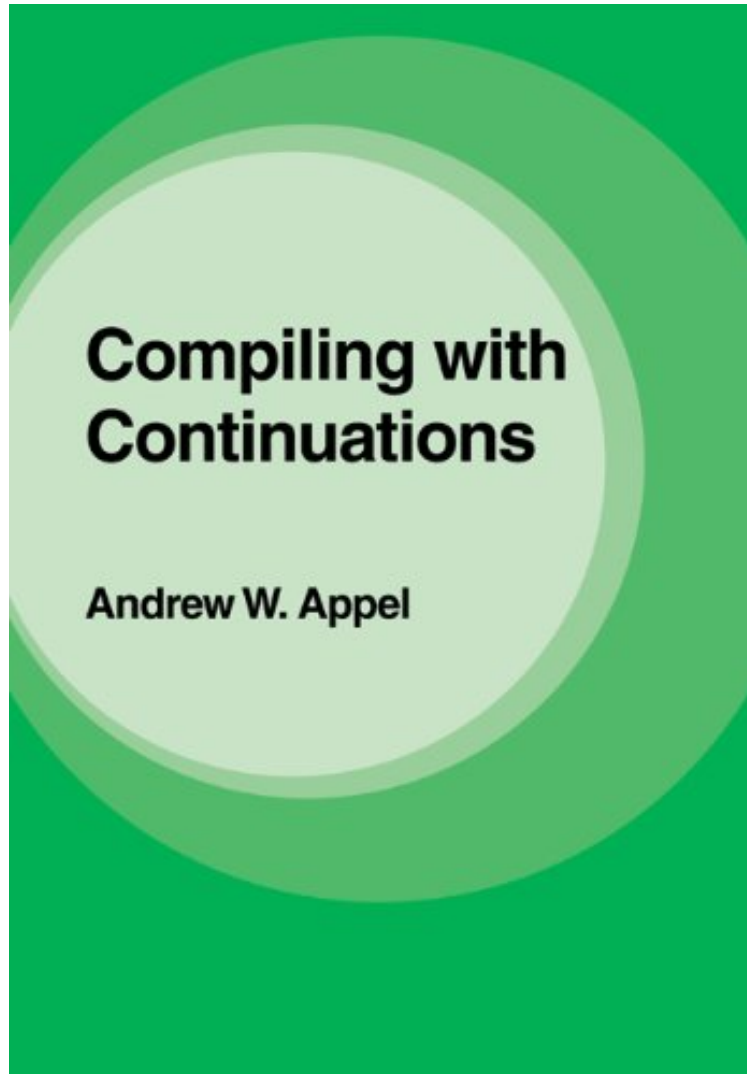


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Compiling with Continuations

Von Andrew W. Appel

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Von Andrew W. Appel : Compiling with Continuations before purchasing it in order to gage whether or not it would be worth my time, and all praised Compiling with Continuations:

KundenrezensionenHilfreichste Kundenrezensionen2 von 2 Kunden fanden die folgende Rezension hilfreich.
Surprisingly readable, given the subject matter.Von Ein KundeThis is a very nice little book, and I found it to be surprisingly readable. The book is nicely written. Standard ML is used to illustrate the technique of compiling a functional language using continuations as the primary intermediate representation. Lack of familiarity with ML is not

particularly burdensome. I would like to have seen more discussion of other languages, though (Scheme?).

Kurzbeschreibung The control and data flow of a program can be represented using continuations, a concept from denotational semantics that has practical application in real compilers. This book shows how continuation-passing style is used as an intermediate representation on which to perform optimisations and program transformations. Continuations can be used to compile most programming languages. The method is illustrated in a compiler for the programming language Standard ML. However, prior knowledge of ML is not necessary, as the author carefully explains each concept as it arises. This is the first book to show how concepts from the theory of programming languages can be applied to the production of practical optimising compilers for modern languages like ML. This book will be essential reading for compiler writers in both industry and academe, as well as for students and researchers in programming language theory.

Pressestimmen "I recommend the book to language designers and implementors specializing in the functional paradigm." F.G. Pagan, Computing sber das Produkt This book shows how continuation-passing style is used as an intermediate representation on which to perform optimisations and program transformations. It will be essential reading for compiler writers in both industry and academe, as well as for students and researchers in programming language theory.