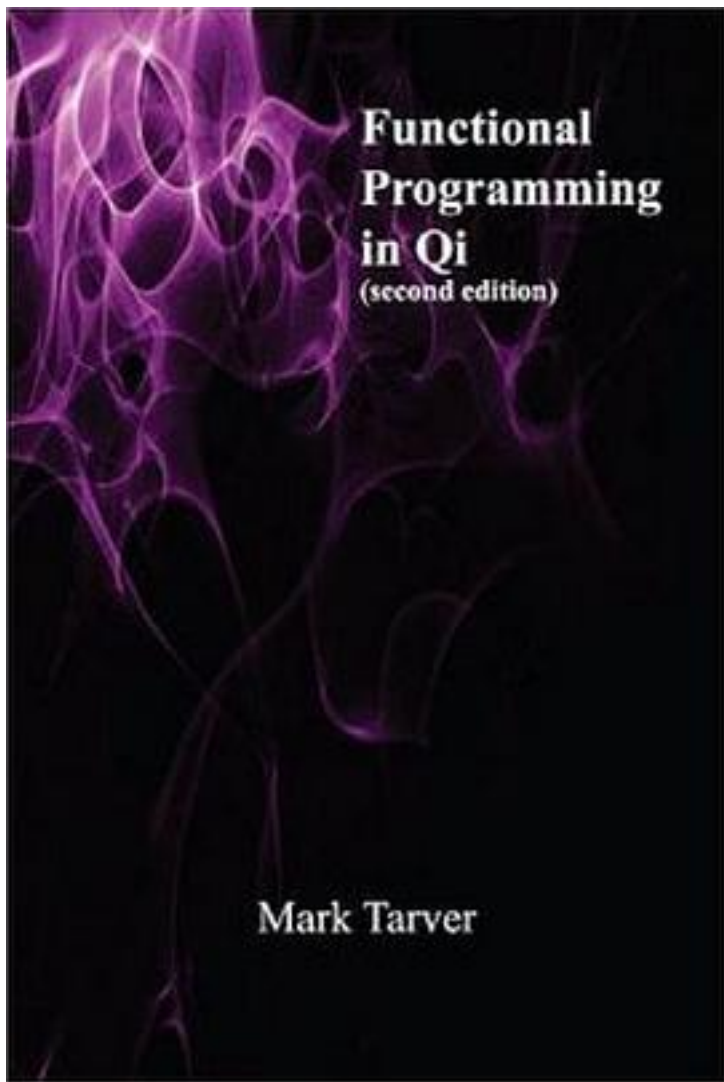# Functional Programming in Qi

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Since its inception in 2005, Qi has generated great interest over the internet. Here for the first time is the hardcopy exposition of the language, remastered for the issue of Qi II in 2008. This second edition fixes the language standard for Qi. The book is both a comprehensive introduction to Qi and to functional programming. The first half of the book covers foundational material and is suitable for an undergraduate introduction to functional programming. The second half of the book explores the theoretical foundations of Qi, including lambda calculus, type theory and logic programming and concludes with Qi applications in computational logic and expert systems.

作者介绍:

目录:

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标签

programming

编程

Lisp

逻辑

语言

混口饭吃

数学

函数式

评论

Qi是建造在Common Lisp上的一门语言，是一门极为强大的语言，其可选的类型系统是图灵完全的。 第一章追溯了编程语言分化成今天procedural(如C/C#/Java，受图灵机计算模型影响)以及declarative(如Lisp/Prolog/Haskell，受丘奇的lambda算子理论影响)两个阵营的历史，其中不少黑历史十分有意思。 第二部分介绍了编程语言的类型系统。 第三部分是全书精华所在，介绍了Qi语言的编译器实现及其理论基础，涉及Lambda Calculus，Pattern Matching，Sequent Calculus，Abstract Unification Machine，以及type checker。 FPer们快来看这本书！

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书评

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