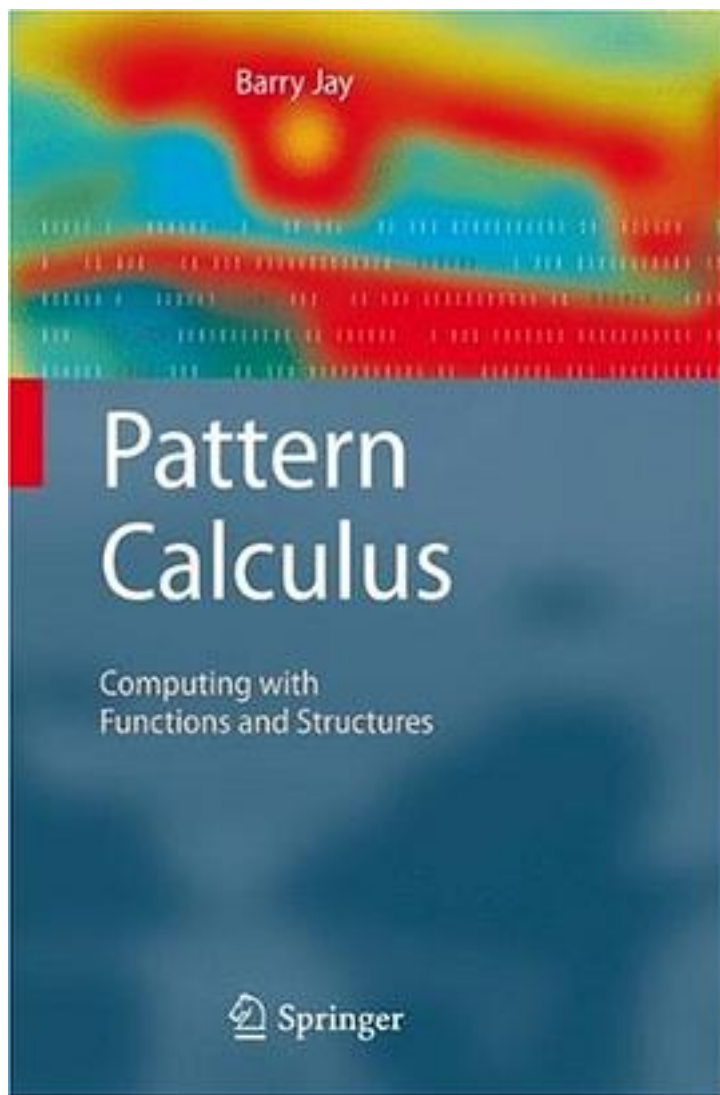


# Pattern Calculus



[Pattern Calculus 下载链接1](#)

著者:Barry Jay

出版者:Springer

出版时间:2009-08-12

装帧:Hardcover

isbn:9783540891840

Over time, basic research tends to lead to specialization – increasingly narrow topics are addressed by increasingly focussed communities, publishing in increasingly confined workshops and conferences, discussing increasingly incremental contributions. Already the community of programming languages is split into various sub-communities addressing different aspects and paradigms (functional, imperative, relational, and object-oriented). Only a few people manage to maintain a broader view, and even fewer step back in order to gain an understanding about the basic principles, their interrelation, and their impact in a larger context. The pattern calculus is the result of a profound re-examination of a 50-year development. It attempts to provide a unifying approach, bridging the gaps between different programming styles and paradigms according to a new slogan – computation is pattern matching. It is the contribution of this book to systematically and elegantly present and evaluate the power of pattern matching as the guiding paradigm of programming. Patterns are dynamically generated, discovered, passed, applied, and automatically adapted, based on pattern matching and rewriting technology, which allows one to elegantly relate things as disparate as functions and data structures. Of course, pattern matching is not new. It underlies term rewriting – it is, for example, incorporated in, typically functional, programming languages, like Standard ML – but it has never been pursued as the basis of a unifying framework for programming.

作者介绍:

目录:

[Pattern Calculus\\_下载链接1](#)

标签

计算机科学

计算机

pattern

Spy

Springer

2009

评论

-----  
[Pattern Calculus 下载链接1](#)

书评

-----  
[Pattern Calculus 下载链接1](#)