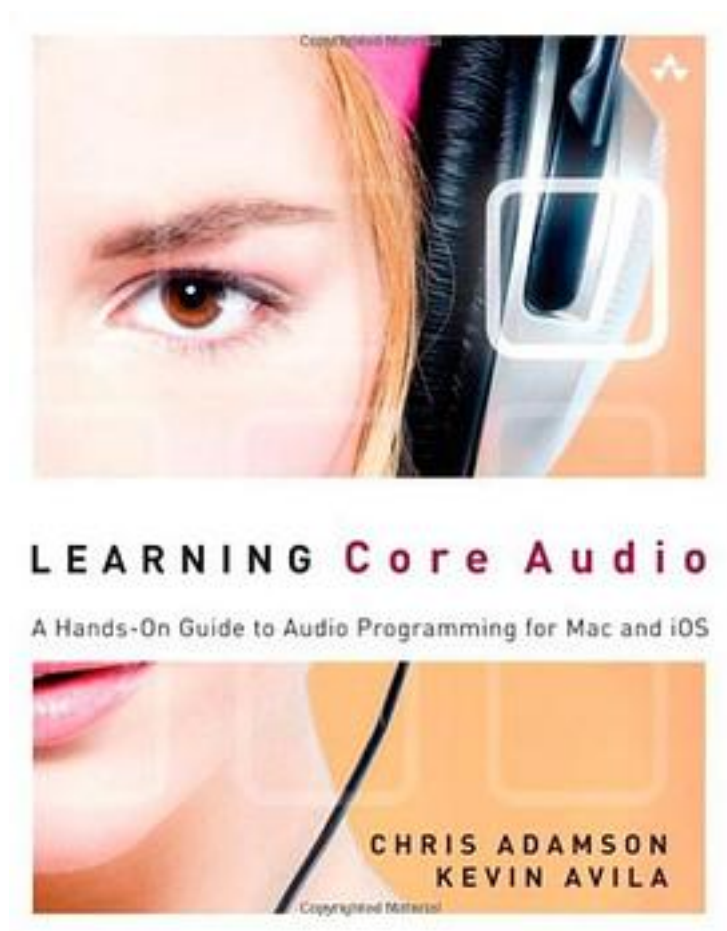# Learning Core Audio

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Audio can affect the human brain in the most powerful and profound ways. Using Apple,s Core Audio, you can leverage all that power in your own Mac and iOS software, implementing features ranging from audio capture to real-time effects, MP3 playback

to virtual instruments, web radio to VoIP support. The most sophisticated audio programming system ever created, Core Audio is not simple. In Learning Core Audio, top Mac programming author Chris Adamson and legendary Core Audio expert Kevin Avila fully explain this challenging framework, enabling experienced Mac or iOS programmers to make the most of it. In plain language, Adamson and Avila explain what Core Audio can do, how it works, and how it builds on the natural phenomena of sound and the human language of audio. Next, using crystal-clear code examples, they guide you through recording, playback, format conversion, Audio Units, 3D audio MIDI connectivity, and overcoming unique challenges of Core Audio programming for iOS. Coverage includes: mastering Core Audio,s surprising style and conventions; recording and playback with Audio Queue; synthesizing audio; perform effects on audio streams; capturing from the mic; mixing multiple streams; managing file streams; converting formats; creating 3D positional audio; using Core MIDI on the Mac; leveraging your Cocoa and Objective-C expertise in Core Audio,s C-based environment, and much more. When you,ve mastered the "black arts" of Core Audio, you can do some serious magic. This book will transform you from an acolyte into a true Core Audio wizard.

作者介绍:

目录: Chapter 1: Overview of Core Audio
Chapter 2: Introduction to Digital AudioChapter 3: Introduction to Core AudioPart 2: Basic Audio Chapter 4: RecordingChapter 5: PlaybackChapter 6: Transcoding3: Advanced Audio Chapter 7: Applying EffectsChapter 8: 3D AudioChapter 9: PerformancePart 4: Additional TopicsChapter 10: Core Audio on iPhoneChapter 11: Handling MIDI DataChapter 12: Extending Core Audio
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标签

iOS

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评论

读不下去。

如果你在做iOS音频开发； 如果你需要各种奇怪的噪音消除/回声消除等等音频处理；
如果你对Core Audio各种复杂而难以理解的AudioQueue、Audio Unit、callback
function望而却步； 如果你对各种复杂而混乱的音频格式无比头疼的话，
这本书非常适合你！
很遗憾，我看的是盗版的，因为1、kindle上没有电子书；2、有点偏贵

非常好的一本书，适合对音频和编程有一定了解的人

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书评

非常好的一本书，对Core
Audio讲的既高屋建瓴，又由浅入深，让人渐入佳境，有时候不得不拍案叫绝。一句话
4个成语，我容易嘛我！不过都是发自肺腑的。本书不适合iOS初学者，适合至少1-2年
经验的，对声音处理很有兴趣，并且有一定基础的同学。

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