

## Disappearing Cryptography, Second Edition: Information Hiding: Steganography & Watermarking (The Morgan Kaufmann Series in Software Engineering and Programming)

By Peter Wayner



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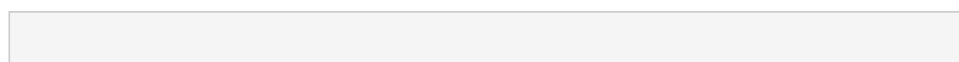
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**Disappearing Cryptography, Second Edition: Information Hiding: Steganography & Watermarking (The Morgan Kaufmann Series in Software Engineering and Programming)** By Peter Wayner

**Disappearing Cryptography, Second Edition** describes how to take words, sounds, or images and hide them in digital data so they look like other words, sounds, or images. When used properly, this powerful technique makes it almost impossible to trace the author and the recipient of a message. Conversations can be submerged in the flow of information through the Internet so that no one can know if a conversation exists at all.

This full revision of the best-selling first edition describes a number of different techniques to hide information. These include encryption, making data incomprehensible; steganography, embedding information into video, audio, or graphics files; watermarking, hiding data in the noise of image or sound files; mimicry, "dressing up" data and making it appear to be other data, and more. The second edition also includes an expanded discussion on hiding information with spread-spectrum algorithms, shuffling tricks, and synthetic worlds. Each chapter is divided into sections, first providing an introduction and high-level summary for those who want to understand the concepts without wading through technical explanations, and then presenting greater detail for those who want to write their own programs. To encourage exploration, the author's Web site [www.wayner.org/books/discrypt2/](http://www.wayner.org/books/discrypt2/) contains implementations for hiding information in lists, sentences, and images.

Each chapter is divided into sections, providing first an introduction and high-level summary for those who want to understand the concepts without wading through technical details, and then an introductory set of details, for those who want to write their own programs. Fully revised and expanded. Covers key concepts for non-technical readers. Goes into technical details for those wanting to create their own programs and implement algorithms. Up-to-date website containing the code samples from the book.



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**Bibliography**

- Sales Rank: #2676197 in Books
- Brand: Brand: Morgan Kaufmann
- Published on: 2002-05-13
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.04" w x 7.35" l,
- Binding: Paperback
- 413 pages

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#### Review

"**Disappearing Cryptography** is a witty and entertaining look at the world of information hiding. Peter Wayner provides an intuitive perspective of the many techniques, applications, and research directions in the area of steganography. The sheer breadth of topics is outstanding and makes this book truly unique. A must read for those who would like to begin learning about information hiding."

-Deepa Kundur, University of Toronto

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#### About the Author

Peter Wayner is a writer living in Baltimore and is the author of **Digital Cash** and **Agents at Large** (both Academic Press). His writings appear in numerous academic journals as well as the pages of more popular forums such as *MacWorld* and the *New York Times*. He has taught various computer science courses at Cornell University and Georgetown University.

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