

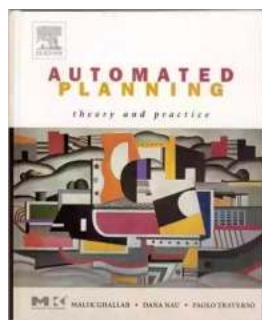
# Theory And Practice: The Morgan Kaufmann In Artificial Intelligence

Artificial Intelligence (AI) has transformed the way we live, work, and interact in recent years. Innovative technologies, such as machine learning, natural language processing, and computer vision, have taken center stage in various fields. One significant contributor to the advancement of AI is the publishing company Morgan Kaufmann.

Morgan Kaufmann, established in 1984, has been instrumental in disseminating cutting-edge research and knowledge in the field of artificial intelligence. Through their extensive collection of books and publications, they have played a crucial role in bridging the gap between theory and practice in AI.

## Exploring the Theoretical Foundations

Morgan Kaufmann's publications delve deep into the theoretical foundations of artificial intelligence. They offer comprehensive books that cover various aspects of AI, ranging from fundamental concepts to advanced theories. Whether you are a student, researcher, or AI enthusiast, Morgan Kaufmann provides invaluable resources to expand your knowledge.



## Automated Planning: Theory and Practice (The Morgan Kaufmann Series in Artificial Intelligence)

by Malik Ghallab(1st Edition, Kindle Edition)

★★★★☆ 4.4 out of 5

Language : English

File size : 8027 KB

Text-to-Speech: Enabled

Print length : 672 pages

Screen Reader: Supported

Paperback : 28 pages  
Reading age : 5 - 6 years  
Item Weight : 3.36 ounces  
Dimensions : 8.5 x 0.07 x 8.5 inches



Their books cover topics such as machine learning algorithms, neural networks, knowledge representation, expert systems, and computational intelligence. The authors of these books are renowned experts in the field, ensuring the highest quality of content and accuracy.

## **Practical Applications and Case Studies**

While theory lays the groundwork, practical applications are essential to harness the power of AI. Morgan Kaufmann understands this well and offers publications that focus on real-world case studies and applications of AI in diverse industries.

These books explore how AI techniques can be applied to solve complex problems in areas such as healthcare, finance, manufacturing, robotics, and cybersecurity. The case studies present real scenarios where AI has been successfully integrated, highlighting its practical impact on businesses and society as a whole.

## **Keeping Up with the Rapid Advancements**

The field of artificial intelligence is evolving at an exponential pace, making it challenging to stay up-to-date with the latest advancements and breakthroughs. Morgan Kaufmann remains at the forefront of AI research by regularly publishing new books that reflect the latest trends and innovations.

By keeping their finger on the pulse of AI, Morgan Kaufmann ensures that their readers have access to the most up-to-date knowledge and cutting-edge techniques. This allows professionals in the field to stay ahead of the curve and continuously refine their skills.

## **The Online Platform and Resources**

In addition to their printed books, Morgan Kaufmann provides an online platform that further enhances the learning experience. Their website offers a wide range of resources, including interactive tutorials, video lectures, code repositories, and supplementary materials.

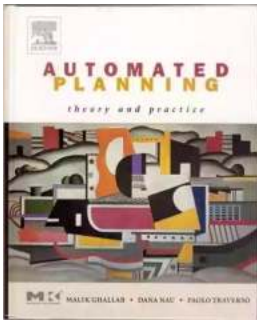
These resources enable readers to delve deeper into the topics covered in the books, reinforce their understanding through practical exercises, and explore additional case studies and examples. The online platform also facilitates interaction with other readers, authors, and experts in the AI community, fostering a collaborative learning environment.

## **Redefining Artificial Intelligence Education**

Overall, Morgan Kaufmann has significantly contributed to the theory and practice of artificial intelligence. Through their publications, they have not only advanced the field but have also educated and inspired countless individuals.

Whether you are a student, researcher, or a professional seeking to enhance your expertise in AI, Morgan Kaufmann's books and resources present an unrivaled opportunity to dive deep into the world of artificial intelligence.

Embrace the power of theory and practice – explore Morgan Kaufmann's collection today and embark on a transformative journey into the world of artificial intelligence!



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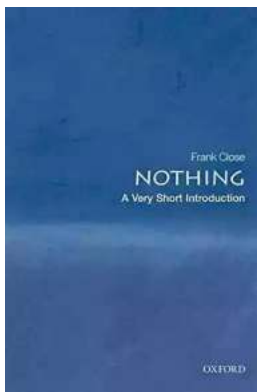
Automated planning technology now plays a significant role in a variety of demanding applications, ranging from controlling space vehicles and robots to playing the game of bridge. These real-world applications create new opportunities for synergy between theory and practice: observing what works well in practice leads to better theories of planning, and better theories lead to better performance of practical applications.

Automated Planning mirrors this dialogue by offering a comprehensive, up-to-date resource on both the theory and practice of automated planning. The book goes well beyond classical planning, to include temporal planning, resource scheduling, planning under uncertainty, and modern techniques for plan generation, such as task decomposition, propositional satisfiability, constraint satisfaction, and model checking.

The authors combine over 30 years experience in planning research and development to offer an invaluable text to researchers, professionals, and

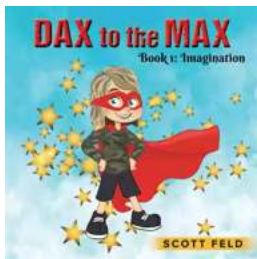
graduate students.

- Provides a thorough understanding of AI planning theory and practice, and how they relate to each other
- Covers all the contemporary topics of planning, as well as important practical applications of planning, such as model checking and game playing
- Presents case studies and applications in planning engineering, space, robotics, CAD/CAM, process control, emergency operations, and games
- Provides lecture notes, examples of programming assignments, pointers to downloadable planning systems and related information online



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