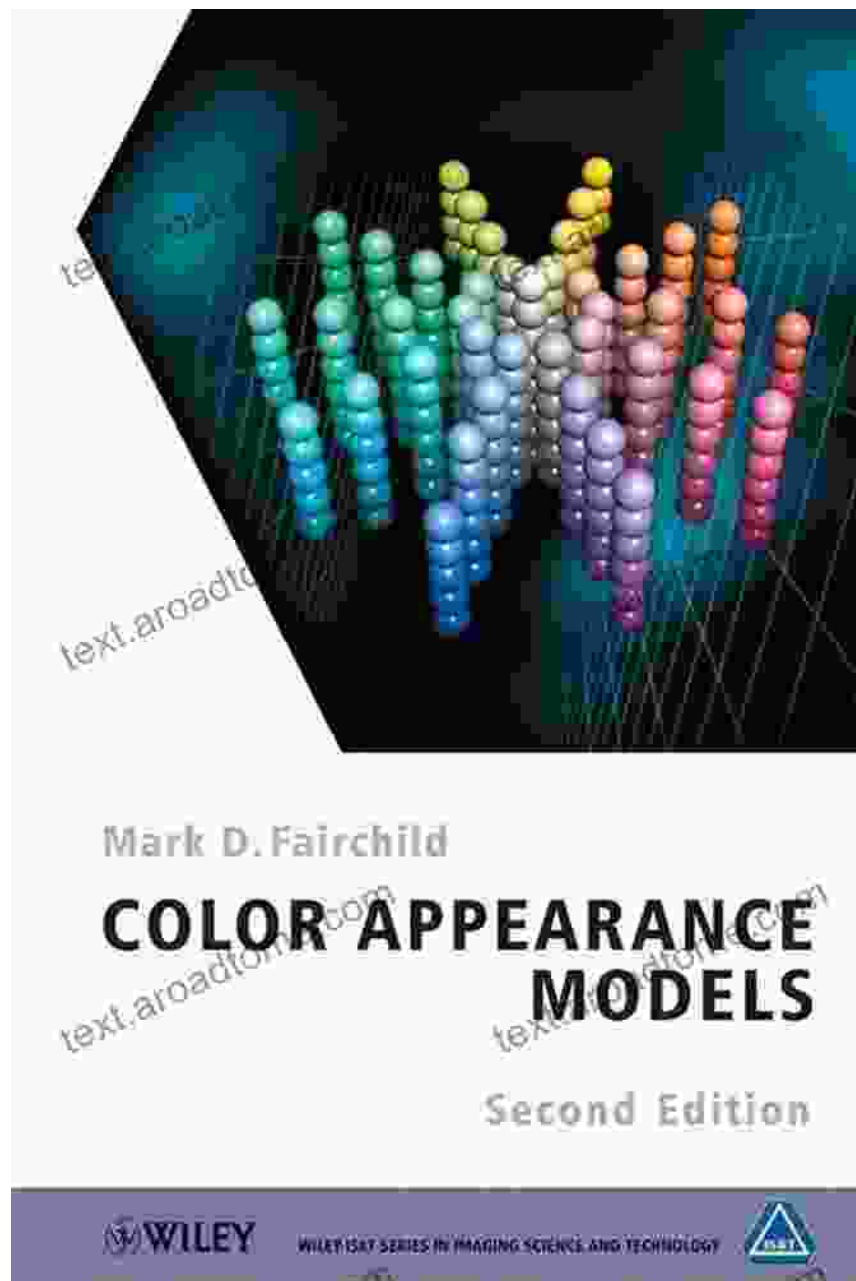


Unlocking the Secrets of Color Appearance: A Comprehensive Guide to the Wiley IS&T Series



Color is an integral part of our world, affecting everything from our surroundings to our emotions. Accurately measuring, reproducing, and

understanding color is crucial in various industries, including photography, design, manufacturing, and medicine. Color appearance models play a vital role in these processes, providing a scientific framework for quantifying and predicting how humans perceive colors.

The Wiley IS&T series on Color Appearance Models is a comprehensive and authoritative resource for anyone seeking to深入理解颜色外观建模。这套系列丛书汇集了来自该领域的领先专家，提供了有关颜色外观建模各个方面的深入知识，从理论基础到实际应用。



Color Appearance Models (The Wiley-IS&T Series in Imaging Science and Technology) by Mark D. Fairchild

★★★★★ 5 out of 5

Language : English
File size : 18157 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 473 pages
Lending : Enabled
Screen Reader : Supported



Overview of the Series

The Wiley IS&T series on Color Appearance Models consists of four volumes:

1. **第 1 卷 : 基础**
2. **第 2 卷 : 视觉原理**
3. **第 3 卷 : 计算模拟**

4. 第 4 卷：应用

第 1 卷：基础 provides a foundational understanding of the principles of color appearance modeling. It covers topics such as colorimetry, color spaces, and the physiology of human color vision.

第 2 卷：视觉原理 explores the visual mechanisms underlying color perception. It examines the role of the retina, visual cortex, and higher-level brain areas in processing color information.

第 3 卷：计算模拟 delves into the computational techniques used to simulate color appearance. It covers a wide range of methods, from simple models to complex algorithms that account for various viewing conditions and observer characteristics.

第 4 卷：应用 showcases the practical applications of color appearance models in various fields. It includes chapters on color rendering, color measurement, and color quality assessment.

Key Features of the Series

- **Comprehensive coverage:** The series provides a comprehensive overview of color appearance modeling, covering both theoretical and practical aspects.
- **Expert authorship:** The books are written by leading experts in the field, ensuring the highest level of accuracy and authority.
- **Real-world applications:** The series emphasizes the practical applications of color appearance models, making it valuable for professionals in various industries.

- **Pedagogical approach:** The books are written in a clear and accessible style, with numerous examples and illustrations to facilitate understanding.
- **Extensive references:** Each volume includes extensive references to the latest research and resources in the field, providing readers with a solid foundation for further exploration.

Target Audience

The Wiley IS&T series on Color Appearance Models is an essential resource for anyone working in the field of color science, including:

- Researchers and scientists
- Engineers and product designers
- Photographers and graphic artists
- Manufacturers and quality control personnel
- Medical professionals
- Students and educators

Benefits of Reading the Series

Reading the Wiley IS&T series on Color Appearance Models offers numerous benefits:

- **Gain a thorough understanding of color appearance modeling:** The series provides a comprehensive overview of the principles, techniques, and applications of color appearance modeling.

- **Stay up-to-date with the latest research:** The books are written by leading experts in the field, ensuring that you have access to the most current information.
- **Solve real-world color-related problems:** The series emphasizes the practical applications of color appearance models, empowering you to solve complex color-related challenges.
- **Enhance your professional credibility:** By mastering the concepts presented in the series, you can enhance your credibility as an expert in color science.
- **Advance your career:** The knowledge and skills gained from reading the series can open up new career opportunities in various industries.

The Wiley IS&T series on Color Appearance Models is an invaluable resource for anyone seeking to understand and apply the principles of color appearance modeling. With its comprehensive coverage, expert authorship, and practical focus, the series provides a solid foundation for advancing your knowledge and skills in this crucial field.

Whether you are a seasoned professional or a student aspiring to enter the field of color science, the Wiley IS&T series on Color Appearance Models is an indispensable tool for unlocking the secrets of color appearance and revolutionizing your understanding of this fascinating subject.

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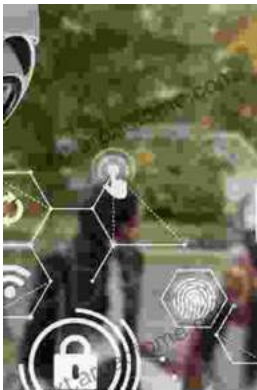
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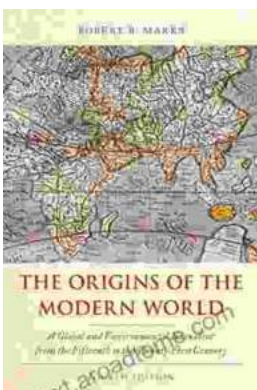


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