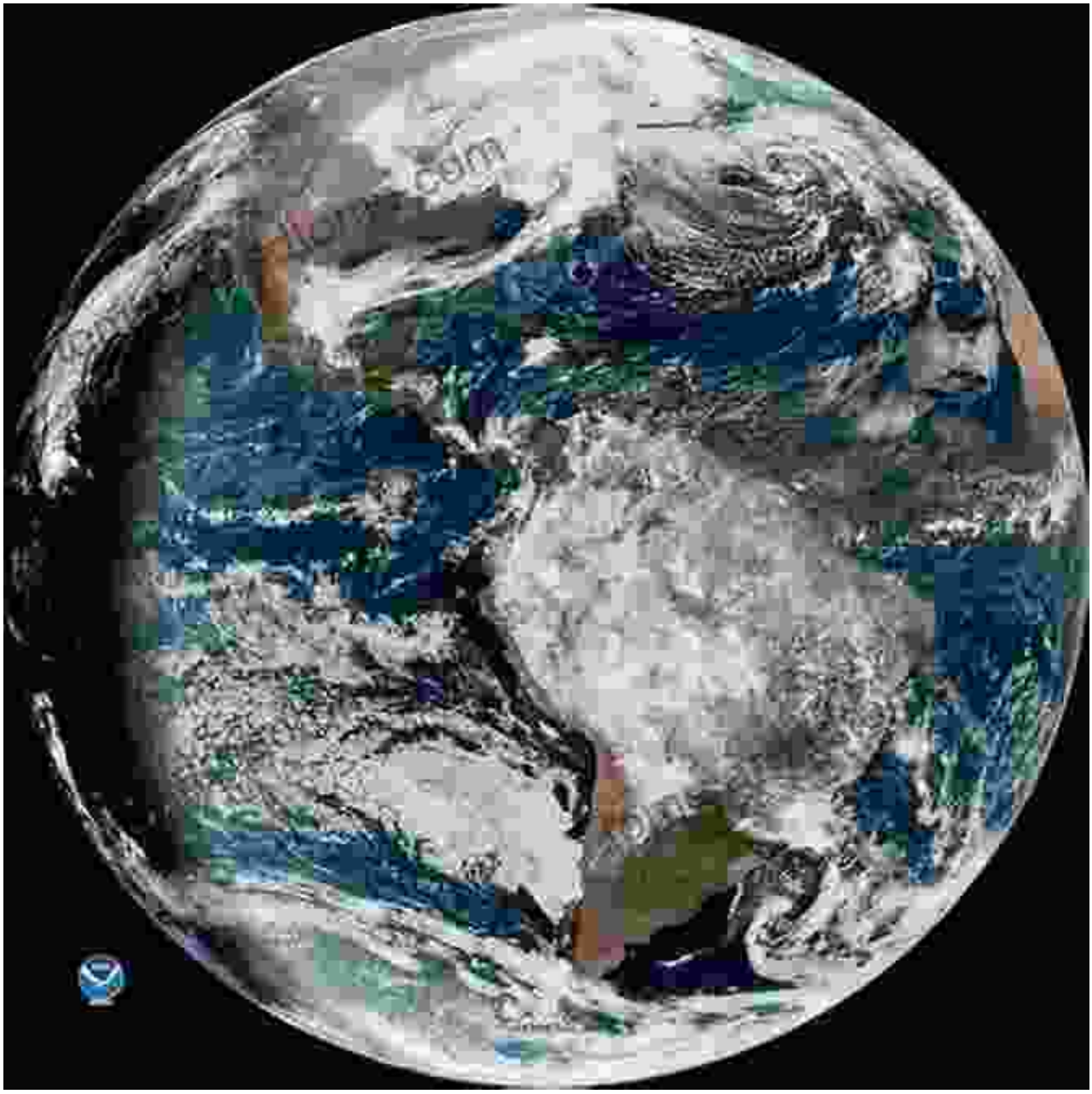
Science And Management Applications Remote Sensing And Digital Image Processing



Remote Sensing of Aquatic Coastal Ecosystem Processes: Science and Management Applications

(Remote Sensing and Digital Image Processing Book 9)

by Kenneth E. Kendall

4.7 out of 5

Language	: English
File size	: 7196 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Print length	: 341 pages

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Unveiling the Hidden Wonders of Our Planet

Remote sensing and digital image processing have transformed the way we explore and understand our planet. These cutting-edge technologies provide us with an unprecedented view of Earth from space, allowing us to monitor environmental changes, optimize agricultural practices, and plan for sustainable urban growth.

A Comprehensive Guide to Earth Observation

This comprehensive book provides a detailed overview of remote sensing and digital image processing, covering both the scientific principles and practical applications. With its clear explanations, engaging examples, and insightful case studies, this book is an indispensable resource for anyone interested in harnessing the power of these technologies.

Chapter 1: to Remote Sensing

- Fundamentals of remote sensing
- Electromagnetic radiation and its interaction with the Earth's surface
- Satellite platforms and imaging sensors

Chapter 2: Digital Image Processing Techniques

- Image enhancement and restoration techniques
- Image classification and segmentation algorithms
- Object-based image analysis

Chapter 3: Environmental Monitoring Applications

- Monitoring deforestation and forest degradation
- Assessing water quality and pollution
- Monitoring climate change impacts

Chapter 4: Precision Agriculture Applications

- Crop yield estimation and monitoring
- Soil moisture monitoring and irrigation scheduling
- Precision fertilizer application

Chapter 5: Urban Planning and Management Applications

- Land use mapping and urban growth monitoring
- Traffic congestion analysis and transportation planning
- Urban heat island detection and mitigation

Empowering Decision-Makers and Innovators

Remote sensing and digital image processing are essential tools for decision-makers in government, business, and academia. By providing timely and accurate information about our planet, these technologies

enable us to make informed decisions that protect our environment, increase agricultural productivity, and enhance the livability of our cities.

For students, researchers, and professionals in the fields of remote sensing, geography, environmental science, agriculture, and urban planning, this book is an invaluable resource. It provides a comprehensive understanding of the principles and applications of these technologies, empowering them to address the critical challenges of our time.

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Don't miss out on this opportunity to unlock the secrets of Earth from space. Free Download your copy of Science And Management Applications Remote Sensing And Digital Image Processing today and start exploring the transformative power of remote sensing and digital image processing.

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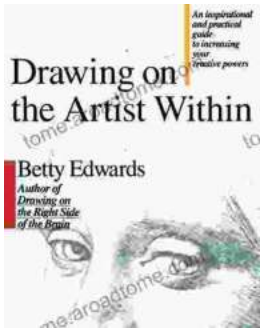

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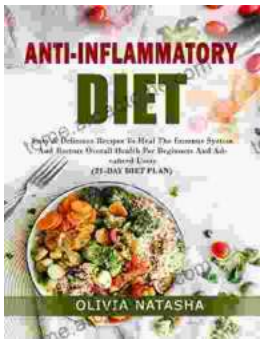

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