

Introduction To Remote Sensing Fifth Edition

Introduction to Remote Sensing, Fifth Edition
Image Analysis, Classification and Change Detection in Remote Sensing
Exploring Color Photography Fifth Edition
AACN Essentials of Progressive Care Nursing, Fifth Edition
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the fifth edition of this core textbook in advanced remote sensing continues to maintain its emphasis on statistically motivated data driven techniques for remote sensing image analysis the theoretical substance remains essentially the same with new material on convolutional neural networks transfer learning image segmentation random forests and an extended implementation of sequential change detection with radar satellites the tools which apply the algorithms to real remote sensing data are brought thoroughly up to date as these software tools have evolved substantially with time the fifth edition replaces the now obsolete python 2 with python 3 and takes advantage of the high level packages that are based on it such as colab tensorflow keras scikit learn and the google earth engine python api new in the fifth edition thoroughly revised to include the updates needed in all chapters because of the necessary changes to the software replaces python 2 with python 3 tools and updates all associated subroutines jupyter notebooks and python scripts presents easy platform independent software installation methods with docker containers each chapter concludes with exercises complementing or extending the material in the text utilizes freely accessible imagery via the google earth engine and provides many examples of cloud programming google earth engine api examines deep learning examples including tensorflow and a sound introduction to neural networks this new text is essential for all upper level undergraduate and graduate students pursuing degrees in geography geology geophysics environmental sciences and engineering urban planning and the many subdisciplines that include advanced courses in remote sensing it is also a great resource for researchers and scientists interested in learning techniques and technologies for collecting analyzing managing processing and visualizing geospatial datasets

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directions in mechanical engineering

this book is an outgrowth of my teaching of biochemistry to undergraduates graduate students and medical students at yale and stanford my aim is to provide an introduction to the principles of biochemistry that gives the reader a command of its concepts and language i also seek to give an appreciation of the process of discovery in biochemistry

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