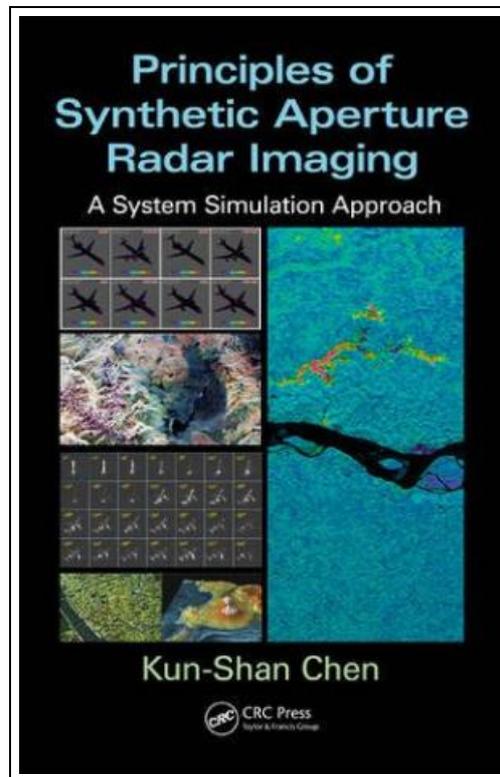


## Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach (Hardback)



Filesize: 2.93 MB

### ***Reviews***

*A really awesome book with lucid and perfect information. Of course, it is actually play, nonetheless an amazing and interesting literature. You are going to like just how the article writer create this ebook.*

*(Nakia Toy Jr.)*

## PRINCIPLES OF SYNTHETIC APERTURE RADAR IMAGING: A SYSTEM SIMULATION APPROACH (HARDBACK)

[DOWNLOAD](#)

To read **Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach (Hardback)** eBook, remember to refer to the link under and download the document or get access to additional information that are in conjunction with PRINCIPLES OF SYNTHETIC APERTURE RADAR IMAGING: A SYSTEM SIMULATION APPROACH (HARDBACK) ebook.

Taylor Francis Inc, United States, 2016. Hardback. Book Condition: New. 235 x 156 mm. Language: English . Brand New Book. Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach demonstrates the use of image simulation for SAR. It covers the various applications of SAR (including feature extraction, target classification, and change detection), provides a complete understanding of SAR principles, and illustrates the complete chain of a SAR operation. The book places special emphasis on a ground-based SAR, but also explains space and air-borne systems. It contains chapters on signal speckle, radar-signal models, sensor-trajectory models, SAR-image focusing, platform-motion compensation, and microwave-scattering from random media. While discussing SAR image focusing and motion compensation, it presents processing algorithms and applications that feature extraction, target classification, and change detection. It also provides samples of simulation on various scenarios, and includes simulation flowcharts and results that are detailed throughout the book. Introducing SAR imaging from a systems point of view, the author: \* Considers the recent development of MIMO SAR technology \* Includes selected GPU implementation \* Provides a numerical analysis of system parameters (including platforms, sensor, and image focusing, and their influence) \* Explores wave-target interactions, signal transmission and reception, image formation, motion compensation \* Covers all platform motion compensation and error analysis, and their impact on final image radiometric and geometric quality \* Describes a ground-based SFMCW system Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach is dedicated to the use, study, and development of SAR systems. The book focuses on image formation or focusing, treats platform motion and image focusing, and is suitable for students, radar engineers, and microwave remote sensing researchers.

[Read Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach \(Hardback\) Online](#)[Download PDF Principles of Synthetic Aperture Radar Imaging: A System Simulation Approach \(Hardback\)](#)

## Relevant eBooks



### [PDF] Mother Stories

Click the web link below to download and read "Mother Stories" file.

[Download PDF](#)

»



### [PDF] Music for Children with Hearing Loss: A Resource for Parents and Teachers

Click the web link below to download and read "Music for Children with Hearing Loss: A Resource for Parents and Teachers" file.

[Download PDF](#)

»



### [PDF] The Birds Christmas Carol

Click the web link below to download and read "The Birds Christmas Carol" file.

[Download PDF](#)

»



### [PDF] Mother Carey s Chickens

Click the web link below to download and read "Mother Carey s Chickens" file.

[Download PDF](#)

»



### [PDF] Homespun Tales

Click the web link below to download and read "Homespun Tales" file.

[Download PDF](#)

»



### [PDF] The Flag-Raising

Click the web link below to download and read "The Flag-Raising" file.

[Download PDF](#)

»