

Global Navigation Satellite Systems: New Technologies and Applications

Global Navigation Satellite Systems (GNSS) are transforming the way we navigate the world. From our smartphones to self-driving cars, GNSS plays a pivotal role in our daily lives. This book delves into the latest advancements in GNSS technology and explores its wide-ranging applications across various industries.



Global Navigation Satellite Systems: New Technologies and Applications by Basudeb Bhatta

★★★★☆ 4.7 out of 5

Language : English

File size : 47980 KB

Screen Reader : Supported

Print length : 386 pages



By reading this book, you will gain a comprehensive understanding of:

- The fundamental principles of GNSS
- The latest GNSS technologies, including GPS, GLONASS, Galileo, and BeiDou
- The applications of GNSS in surveying, mapping, transportation, precision agriculture, and more
- The future of GNSS and its potential impact on our society

Whether you are a student, researcher, professional, or general reader, this book provides invaluable insights into the rapidly evolving field of GNSS.

Chapter 1: Fundamentals of GNSS

This chapter introduces the basic concepts of GNSS. You will learn about the different types of GNSS signals, how they are transmitted and received, and how they are used to determine your location.

The chapter also covers the history of GNSS, from the early days of GPS to the development of modern multi-constellation systems.

Chapter 2: GNSS Technologies

This chapter takes a closer look at the different GNSS technologies that are currently in use. You will learn about the strengths and weaknesses of each system and how they are used in different applications.

The chapter also discusses the future of GNSS technology, including the development of new signals and the integration of GNSS with other technologies such as inertial navigation and cellular networks.

Chapter 3: Applications of GNSS

This chapter explores the wide-ranging applications of GNSS in various industries. You will learn how GNSS is used in surveying, mapping, transportation, precision agriculture, and more.

The chapter also discusses the potential of GNSS for new applications, such as autonomous vehicles and unmanned aerial vehicles.

Chapter 4: The Future of GNSS

This chapter looks at the future of GNSS and its potential impact on our society. You will learn about the challenges that GNSS faces and the opportunities that it presents.

The chapter also discusses the role that GNSS will play in the development of new technologies and services, such as smart cities and the Internet of Things.

This book provides a comprehensive overview of the latest advancements in GNSS technology and its applications across various industries. By reading this book, you will gain the knowledge and insights you need to stay ahead of the curve in this rapidly evolving field.



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