



Global Positioning System: Theory and Practice

By B. Hofmann-Wellenhof, H. Lichtenegger, J. Collins

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This new edition adds the most recent advances in GPS technology, although the overall structure essentially conforms to the former editions. The textbook explains in a comprehensive manner the concepts of GPS as well as the latest applications in surveying and navigation. Description of project planning, observation, and data processing is provided for novice GPS users. Special emphasis is placed on the modernization of GPS, covering the new signal structure and improvements in the space and control segment. Furthermore, the augmentation of GPS by satellite-based and ground-based systems leading to future Global Navigation Satellite Systems (GNSS) is discussed.

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Bibliography

- Sales Rank: #1727377 in Books
- Brand: Brand: Springer
- Published on: 2013-10-04
- Original language: English
- Number of items: 1
- Dimensions: 9.61" h x .93" w x 6.69" l, 1.27 pounds
- Binding: Paperback
- 382 pages



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Editorial Review

Review

"... Although developed as a classroom text, the book is also useful as a reference source for professional surveyors and other GPS users. This because it covers both GPS fundamentals and leading-edge developments, thus giving it a wide appeal that will clearly satisfy a broad range of GPS-philes ... The volume cogently presents the critical aspects and issues for users, along with the theory and details needed by students and developers alike. For those seriously entering the rapidly changing GPS field, this book is a good place to start." GPS WORLD September "This is the fourth edition of the book, and the authors are to be congratulated on their efforts ... This book has now gained wide acceptance as a 'serious' book on GPS ..." Navigation

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