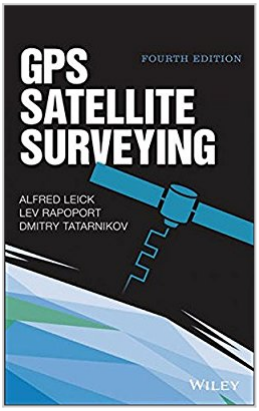

GPS Satellite Surveying

By Alfred Leick, Lev Rapoport, Dmitry Tatarnikov

GPS Satellite Surveying By Alfred Leick, Lev Rapoport, Dmitry Tatarnikov

Employ the latest satellite positioning tech with this extensive guide

GPS Satellite Surveying is the classic text on the subject, providing the most comprehensive coverage of global navigation satellite systems applications for surveying. Fully updated and expanded to reflect the field's latest developments, this new edition contains new information on GNSS antennas, Precise Point Positioning, Real-time Relative Positioning, Lattice Reduction, and much more. New contributors offer additional insight that greatly expands the book's reach, providing readers with complete, in-depth coverage of geodetic surveying using satellite technologies. The newest, most cutting-edge tools, technologies, and applications are explored in-depth to help readers stay up to date on best practices and preferred methods, giving them the understanding they need to consistently produce more reliable measurement.

Global navigation satellite systems have an array of uses in military, civilian, and commercial applications. In surveying, GNSS receivers are used to position survey markers, buildings, and road construction as accurately as possible with less room for human error. *GPS Satellite Surveying* provides complete guidance toward the practical aspects of the field, helping readers to:

- Get up to speed on the latest GPS/GNSS developments
- Understand how satellite technology is applied to surveying
- Examine in-depth information on adjustments and geodesy
- Learn the fundamentals of positioning, lattice adjustment, antennas, and more

The surveying field has seen quite an evolution of technology in the decade since the last edition's publication. This new edition covers it all, bringing the reader deep inside the latest tools and techniques being used on the job. Surveyors, engineers, geologists, and anyone looking to employ satellite positioning will find *GPS Satellite Surveying* to be of significant assistance.

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GPS Satellite Surveying By Alfred Leick, Lev Rapoport, Dmitry Tatarnikov Bibliography

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Editorial Review

From the Back Cover

THE MOST COMPREHENSIVE, UP-TO-DATE GUIDE ON GPS TECHNOLOGY FOR SURVEYING

Three previous editions have established *GPS Satellite Surveying* as the definitive industry reference. Now fully updated and expanded to reflect the newest developments in the field, this Fourth Edition features cutting-edge information on GNSS antennas, precise point positioning, real-time relative positioning, lattice reduction, and much more. Expert authors examine additional tools and applications, offering complete coverage of geodetic surveying using satellite technologies.

The past decade has seen a major evolution in surveying technology. This comprehensive guide covers best practices and preferred methods, helping you:

- Get fully up to speed on the latest GPS/GNSS developments
- Explore the characteristics of satellite systems
- Understand how satellite technology is used in surveying
- Work with real-time kinematics relative positioning
- Examine in-depth information on adjustments and geodesy
- Learn the fundamentals of positioning, lattice adjustment, antennas, and more

GPS Satellite Surveying, Fourth Edition, offers reliable, up-to-date guidance for surveyors, transportation and civil engineers, geologists, geographers, technicians, and students.

About the Author

ALFRED LEICK, PHD, has served on the Board of Directors of the American Association of Geodetic Surveying. He currently lectures at Michigan Technological University and is the Editor-in-Chief of scholarly journal *GPS Solutions.*

LEV RAPOPORT, PHD, received Russia's highest scientific degree, Doctor of Science, from the Institute of Control Sciences of the Russian Academy of Science, where he is now head of laboratory. He is also a professor at the Moscow Institute of Physics and Technology.

DMITRY TATARNIKOV, PHD, received the Doctor of Science degree from Moscow Aviation Institute, where he is currently a professor. He is also the Chief of GNSS Antenna Design and Development for Topcon Technology Center.

Users Review

From reader reviews:

Mary Partee:

This GPS Satellite Surveying tend to be reliable for you who want to be a successful person, why. The

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