



remote sensing



Special Issue Reprint

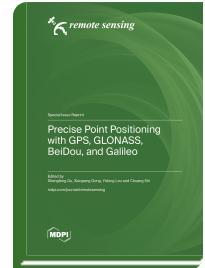
Precise Point Positioning with GPS, GLONASS, BeiDou, and Galileo

www.mdpi.com/books/reprint/8086

Edited by
Shengfeng Gu
Xiaopeng Gong
Yidong Lou
Chuang Shi

ISBN 978-3-0365-8986-2 (Hardback)

ISBN 978-3-0365-8987-9 (PDF)



The potential of global navigation satellite systems (GNSSs) as an efficient tool in providing precise positioning has been widely recognized. In particular, the precise point positioning (PPP) technique is receiving increasing interest due to its cost-effectiveness, global coverage, and high accuracy. In addition, the emergence of multiple satellite navigation systems, including BDS, Galileo, modernized GPS, and GLONASS, brings great opportunities and challenges for PPP. For instance, the additional frequency as well as the new signal of BDS-3 and Galileo enables the fast convergence of PPP by efficient ambiguity resolution (AR). More recently, besides the standard point positioning, BDS, Galileo, as well as QZSS have also provided the satellite-based PPP service. Obviously, the development of multi-frequency multi-GNSS and their built-in PPP service has popularized the use of PPP as an efficiency technique in navigation, timing, as well as geoscience applications.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/8086

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.