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Advanced Multi-GNSS Positioning and Its Applications in Geoscience

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Although real-time kinematic positioning (RTK), precise point positioning (PPP), and PPP-RTK have the ability to provide centimeter- or millimeter-level positioning accuracy, they are easily affected by observation environments, resulting in the insufficient positioning stability, continuity, and credibility. As a result of their high equipment costs, it is also difficult to target consumer-level mass users. To further expand the application of multi-GNSSs in geoscience and achieve industrialization, new theories, models, and methods are urgently required. This Special Issue offers insights into the advanced algorithms for multi-GNSS high-precision positioning, multi-sensor integrated data processing, and their applications in geoscience.

