New Version 5.0
Bernese GPS Software

The Bernese GPS Software Version 5.0 continues in the tradition of its predecessors as a high performance, high accuracy, and highly flexible reference GPS/GLONASS (GNSS) post-processing package. State-of-the-art modeling, detailed control over all relevant processing options, powerful tools for automatization, the adherence to up-to-date, internationally adopted standards, and the inherent flexibility due to a highly modular design are characteristics of the Bernese GPS Software.

New Features

• Available on UNIX/Linux and Windows platforms
• User-friendly GUI
• File naming using session variables
• Built-in html-based help system
• New front-end for automatization (*Bernese Processing Engine, BPE*)
• Multi-session parallel processing
• PERL as BPE script language
• New, elaborate BPE examples for basic applications:
  RINEX-to-SINEX, comprehensive PPP (also relying on IGS products)
• POD not only for GNSS but also for LEO satellites
• GPS satellite parameters available for complete constellation history
• Sophisticated tool (ADDNEQ2) for efficient combination and
  manipulation of analysis results on the normal equations level
• Improved troposphere modeling
• Real kinematic analysis capability
• IERS 2000 conventions compliance
• Supports GNSS antenna PCV patterns
• Further refinements concerning, e.g., undifferenced processing,
  handling of pseudorange biases

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