



COLLABORATIVE IONOSPHERE

A method for collaborative determination of satellite navigation system positioning errors

Technological benefits

Access to new data

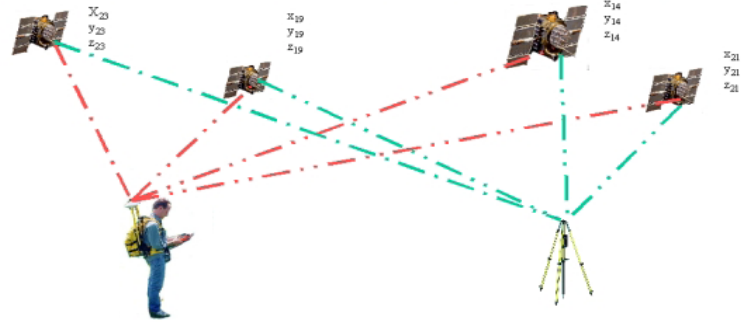
- Processing of new signals from smartphones previously inaccessible

Improved performance

- Increased convergence speed (faster positioning)
- More precise positioning

New ionospheric maps

- New, more accurate maps



Invention overview

The aim of the invention is to produce information making it possible to determine the positioning errors resulting from the satellite navigation signal use by generating a map of the ionospheric errors of sufficient precision from terminals receiving GNSS signals. The position may not be known precisely.

Potential applications

Smartphones

- Interesting convergence speed for smartphones GPS positioning

Advertising

- Geotagged advertising

Sports et leisures

- Interesting precision when hikes or excursions in hostile environment

Agriculture

- Management of agricultural sensors

Commercial benefits

Publicity

- Better positioning leads to better advertising targeting

Agriculture

- The accuracy of the map makes the sensors more efficient and increases productivity

TRL : 2

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