

## GPS SPUTNIK SYSTEM

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**Abstract:** This article discusses the study of the Earth's rotation using the GPS satellite system and the requirements for it.

**Key words;** Location, cartography, geographic information system, GPS, satellite, GLONASS

### 1. INTRODUCTION

Over the recent years, the rapid development of Science and technology has come up with many new approaches in every field. Among these, the functioning of Sputnik navigation systems gave rise to many advantages. In the process of studying the planet, work is carried out in cooperation with the International Association of astronomy, international Geodesy and other similar services necessary for the prosperity of the world science. These areas are exploring the processes taking place in the Earth's levels and oceans[1].

State Committee for Investment and State Property Management of the Republic of Tajikistan Compass from the compass approved approved text. Keying gillirda ishlab chikilgan special iriddilarni kuzatish perekliri help pole benefactor bizga ejob kelgan estinskani quite reasonably yuki anticlick bilan onlga allows beradi. Space explorationarning riozhlanganigiki erni thaya and chiklarda made the commission of promyslign zhararenlarning time Buricha yzgarini GPS satellite tizimi assimil koreba kuriba superior marking[2].

Geodynamicist jaranlarni urakanish, state George gravitazon (Partners), George and Georgie Georgie ibori Hizmi-hapchallar andy GPS-spehanim tomoniladi. Zhumladan, Asia khudidadagina yil lasted 2-3 cm Shimol East tomonga movement kiladi. Geodynamics parable of the district territory should coordinate tizmiga yerzhishelari, traffic polarity, kueshe, oi torte on the streets of the city of Cholar. I believe that two girls have been detained at the soul-two. Moving Hurrah (South-South 1898 yildan wargan asroning 1988 Young's classic (2).

However, genikly is now waving a fan, driving to Bermaidi, because the information is high-line and boeing is moving the geographical architect of the jarending "jarending-long forest fly" to bemailik. Currently, the space navigation sistemlar (GPS –ends ) geografik coordinates of the barn 5-10 centimeters straight line finally allows beradi.

The GPS satellite is located in the vicinity of the scientist olingan flower garden geodesy, cartography, geodynamicada and environmental monitoring uchun kend falanish. Safara Jir Heather perebirgatai perebran yezir hirkanish scientific research nachalolarni amirshishda serves forty. It is considered elanish parametrlari (cube movement and kun ' uzunlig) cutsatilaglagangarida ishelatlarida ishlatizimlarin tuzshga mudradi and action maslalalar chikarni inchgir.

It is very difficult to determine the natural shape of the Earth. When we say The Shape of the Earth, its natural form is not taken into account, only its mathematical form is understood. Of these mathematical forms, the closest to the natural form of the Earth is geoid. Until now, the form of geoid is not represented by a mathematical formula. But the Geodetic work carried out showed that the geoid is close to the circulating ellipsoid.

The difference between Geoid and ellipsoid from each other (at some point of the Earth's surface) does not exceed 150 m. This difference is much smaller than the total size of the Earth. Therefore, in Geodesy, the Earth's shape is considered to be in the form of a circular ellipsoid. The Earth's Ellipse is small, and its large radiuses are very small in difference from each other. Therefore, in Geodetic and cartographic works, which do not require great accuracy, the Earth was considered to be in the form of a sphere.

Currently, in order to clarify the spatial coordinates of the dots, the following Sputnik navigation systems are used in practice: Russian GLONASS Sputnik global navigation system (globalnaya Navigasigasionnaya Sputnikovaya systemema) and the US NAVSTAR SP Sputnik navigation system (Navigation System with time and ranking Global Positioning System – the navigation system for determining the distance and time, the global system for determining the location of the dots).

Sputnik trilateration-the exact coordinate of the place on the Earth's surfaceatasi can be calculated by measuring the mistresses between them with the gruppes of its Sputniks (the position of the Sputniks in space should be accurate). In this case, Sputniks are punches with certain coordinates. An intermediate distance from a Sputnik is known and it is

possible to draw a sphere with a given radius around it. If the distance from one to the second Sputnik is clear, then the place to be determined is located in the given circle with the intersection of two spheres.

For Sputnik determine 2 points in the circle. Now it is necessary to determine the required point. But one of the points can be thrown away, it can replace itself at high speed. Thus, it is possible to calculate the coordinates of the point to be determined by knowing the distance to the three Sputniks.

Measuring a long distance through a Sputnik-the distance to the Sputniks radiosignal is determined by multiplying the time of its arrival from the cosmic apparatus or from the prymnik to the speed of light. To determine the network time of the signal, it is necessary for us to know when it came out of the Sputnik. GPS research on the circulation of the Earth using the Sputnik system has not developed without it, therefore, it is worthwhile to solve this issue through the modern Sputnik method.

**List of used literature:**

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