

Dhruvadorsaka Pattika



This is the simplest of the instruments at the observatory. The purpose of this instrument is to show the direction towards the celestial North pole, from the location of the observatory.

The trapezoidal masonry structure can be separated into a rectangular parallelepiped on which rests a right angled triangular masonry structure. The angle between the base and the Hypotenuse of the triangular structure is supposed to be equal to the latitude of the observatory location, which ensures that the inclined plane points toward the North Celestial Pole.



Viewing along the top surface of the instrument, one should be Able to locate the Pole star on a clear dark night.

The angle of inclination of the triangular structure here should be equal to the latitude of this location

References

1. The instruments of the Jantar Mantar Observatory, Jaipur
2. The Jaipur Observatory and its Builder, by Lieut. A. ff. Garrett, R.E. and Pundit Chandradhar Guleri, Pioneer Press.
3. Sawai Jai Singh and His Astronomy, by Virendra Nath Sharma, Motilal Banarsidass Publishers.

Calibration work in progress by Nehru Planetarium, New Delhi