

## DETERMINATION OF NUTATION BASED ON OBSERVATIONS WITH THE PULKOVO POLAR TUBE

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Since 1953 regular observations have been carried out with the Polar photographic tube at Pulkovo [1, 2, 3]. A detailed description of the observational procedure, the data reduction technique, and error sources were given by Potter [4].

During 1953–1987 848 observing nights were obtained and 9911 polar distances of stars were measured (m.e. of  $\pm 0''.05$ ). The analysis of the material yields the correction to the Woolard principal nutation term

$$\Delta N = -0''.0160 \pm 0''.0054 ,$$

the nutation constant thus attaining  $9''.1945 \pm 0''.0054$  for the mean observational epoch.

The results of data processing by Bakhrakh *et al.* (1988) for 1953–1974 are used in the present paper.

### References

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