

## Anomalous behaviour of the Polar Motion around 2000

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The anomalous behaviour of the Polar Motion is a phenomenon where the amplitude of the Polar Motion is reduced towards 0.1 arcsecond level and the period of the Polar Motion deviates from the ordinary Chandlerian period. It is known that this phenomenon occurred around 1927, and also it took place around 1845. The author investigated this phenomenon in 1992 and mentioned that the week-scale excitation plays an important role to produce the anomalous behaviour, and the change of the period has both possibilities to increase and decrease its length.

Recently this phenomenon took place from 1999 to 2000. The period increased up to 500 days. The increase of the period was observed for the first time. The high accuracy Polar Motion observation conducted by IERS made it possible to detect the week-scale excitation. The correlation between the anomalous behaviour and the week-scale excitation was clearly confirmed.