

Latitudinal Structure of the Photospheric Magnetic Field through solar cycles.

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Text of Abstract

- Latitudinal structure with four zones: two sub polar and two equatorial with 22-year period of change is clearly demonstrated.
The auto-correlation of the magnetic field has been calculated for all latitudes from 75 N to 75 S its temporal variability on a short and on a long term scale.
The meridional drift of the magnetic field with 2-year periodicity has been clearly evidenced. North-South asymmetry has been studied.