REVERSAL BACKGROUND MAGNETIC FIELD IN THE SOLAR POLARIZED RADIO EMISSION AT 17 GHz

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Polarization of radio emission on the solar disk was studied with the Nobeyama radio heliograph observations during 1992-2006. The latitude-time diagrams of polarization circular radio emission were constructed. To decrease the noises we used several solar images for a day. We found drifts of radio emission polarization in the high-latitudes activity and in the latitude band of sunspots. Process of the magnetic field reversal of the large-scale magnetic field in polarization of radio emission of the Sun was found during 22-23 cycles. An analysis of polarization for structures of various brightness temperatures has been carried out.