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**PRINT ONLY: REMOTE SENSING OF PLANETARY ATMOSPHERES: UKRAINIAN PERSPECTIVES**

Morozhenko A. V. Vidmachenko A. P. Nevodovskyi P. V.
*Limited of Polarimetry in Determining of the Earth's Atmospheric Aerosol Characteristics* **[#1031]**
Unable to determine the characteristics of tropospheric aerosol in polarization observations at $\lambda > 400$ nm. The difficulties disappear in observations <300 nm.

Morozhenko A. V. Ovsak A. S.
*The Method for Separation the Absorption of Aerosol and Methane in the Long-Wavelength Region of the Spectrum of Giant Planets* **[#1579]**
The method for separation of the absorption by aerosol and gas in the longwavelength region of the spectrum of giant planets was been developed.

Ovsak A. S.
*The Volume Scattering Coefficient of Aerosol in the Jovian Atmosphere from Measurements of the Planet's Whole Disk* **[#1239]**
A dependence on the pressure of the aerosol volume scattering coefficient in the methane absorption bands in the atmosphere of Jupiter has been determined.

Vidmachenko A. P.
*Seasonal Changes of Methane Absorption in the Saturn Atmosphere* **[#1051]**
All physical-orbital characteristics of Saturn's equinox in 1980 and 2009 were almost repeated, but seasonal response in methane absorption was very different.

Vidmachenko A. P.
*Solar Activity Influence on Seasonal Changes in Saturn's Atmosphere* **[#1052]**
We assume that the different reactions of atmosphere in Saturn's equinox in 1980 and 2009 were due to minimal solar activity in 2009; in 1980 solar activity was maximal.