

Saturnian magnetosphere in the Pioneer 11 epoch

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The constructed model of the Saturn's magnetosphere is based on the preexisting paraboloid terrestrial and jovian models of the magnetospheric field. Interaction of the solar wind with the Saturn's magnetosphere leads to forming of the magnetotail current system and the magnetopause currents screening all magnetospheric field sources. The input model parameters are determined from observations, in particular, the Pioneer 11 fly-by data are used for this purpose.