

# ***Interactive comment on “Analysis of Juno perijove 1 magnetic field data using the Jovian paraboloid magnetospheric model” by Ivan A. Pensionerov et al.***

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Manuscript is dedicated to the improvement of a “paraboloid model” of the low latitudes middle Jupiter’s magnetosphere ( $20R_J < r < 60R_J$ ). Many aspects of this model were examined in the foregoing articles of the authors. An important advantage of the model under consideration is the use in calculations close to real current systems and IMF (in this case IMF is not known, but does not play a significant role). New results based on modern experimental data, obtained within the framework of the Juno magnetic field measurements. The authors is carried out detail comparison of the new results with the earlier studies.

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The results obtained by the authors are important for understanding the conditions of plasma convection, details of the equatorial plasma shields formation, radial diffusion in the radiation belts, etc. It is useful for the members of MOP community to be able to use this manuscript as a regular article.

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