

## The correspondence between the arc structure of Jovian decametric radio emission and structure of its sources

# Makoto Hattori[1], Hiroshi Oya[2]

[1] Astron.and Geophys.,Tohoku Univ., [2] Geophysical Ist. Tohoku Univ.

<http://stpp1.geophys.tohoku.ac.jp/>

A model of the Jovian decametric radiation has been made considering very narrow width of emission cones centered at the hollow cone angle given as function of the local points of the magnetic field which is given by vip4 model. The results show good coincidence with the arc structures detected by the Voyager spacecraft. It is concluded that the CMI processes is the best candidate for the emission mechanism of Io related decameter radio waves.