## MAGNETOTELLURIC INVESTIGATIONS AT INPE

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## ABSTRACT

Magnetotelluric (MT) technique based on the principles of electromagnetic induction can provide information on the distribution of electrical conductivity distribution in the crust and upper mantle of the earth. The department of Geophysics and Aeronomy (DGA) of INPE has conducted M.T. investigations in the NE region of Paraná basin, Taubaté basin and at a Brazilian station viz. Comandante Ferraz in the Antarctic Peninsula. The equipment used is constructed at INPE and it operates normally in the frequency range 5Hz to 0.001Hz. The representative results of estimation of conductivity tensor as a function of frequency and depth are presented here. At the end a short description of our research plans is given.