

Seminário de sistemas dinâmicos e estocásticos

Departamento de Matemática - IMECC - UNICAMP

A little bit of planetary magnetospheres dynamics

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Resumo:

We present the study of the motion of a charged particle under axisymmetric gravitational and electromagnetic forces is studied. A global bifurcation chart of equatorial phase-portraits, including the stability of equilibria with respect to out of equatorial plane perturbations is presented. The out-of-plane stability of separatrices and nearby periodic orbits which appear on the equatorial invariant plane is analyzed.

Data: Quarta-feira, 02 de outubro de 2013, 14:00hs.

Local: Sala 322 do IMECC.

Consulte a programação em [www.ime.unicamp.br/ssde]